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Baltimore. Mayor

THE MAYOR'S MESSAGE

— AND —

REPORTS OF THE CITY OFFICERS

— MADE TO THE —

CITY COUNCIL OF BALTIMORE

FOR THE YEAR 1890.

BALTIMORE:
John Cox, "City Printer,"
PRATT STREET AND SPEAR'S WHARF.

1891.

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MAYOR'S MESSAGE.

MAYOR'S OFFICE—CITY HALL,

BALTIMORE, January 26th, 1891.

To the Honorable the Members
of the City Council.

GENTLEMEN:

In presenting my Second Annual Message, permit me to congratulate your Honorable Body, not only upon what, I trust, you will find to be a satisfactory condition of our municipal affairs, but upon the visible evidences of the material growth and prosperity of our City.

The country has recently encountered, and has, I trust, passed through a dangerous period of commercial stringency.

The strong, disastrous winds have threatened to take on the force of a hurricane and carry destruction be-

fore them, and we have seen, in other communities, many edifices, apparently secure, go down before them.

The conservatism and prudence of Baltimore business industry, has never been exhibited to better advantage.

It has felt the edge of the storm, it is true, but its inherent strength and solidity have withstood it, and its commercial reputation has been greatly enhanced by the force and vitality of its resistance.

Indeed there are many indications that the solid advantages of this City are being appreciated, not only by its own people, but by those who are looking about them for the best centres of trade and industry.

We have heard much lately of efforts to promote a "boom" for Baltimore, on the model, perhaps, of those in southern and western localities.

Such is my affection for my City, such my desire to share in any way in the promotion of her well-being, that I would be indisposed to treat with indifference or coldness any effort to aid her, though its processes might not commend themselves to my judgment. In one sense, at least, it would have been fortunate if a "boom" had been sometime since created in favor of this City, since probably it would have had the effect

of retaining here much capital embarked in doubtful "booms" elsewhere, which, wisely placed in conservative enterprises here, would have aided in that permanent development which alone is valuable, and the owners would not have been, as perhaps some may now be, obliged to look in vain for its return.

Perhaps it is true that here we hasten slowly, but we build solidly as we go, and we take no steps backward, though we may not rush forward with the speed of some less painstaking communities.

Many fine and striking edifices for business and other uses, have been constructed during the past year, and many more are projected for the near future.

The general architectural appearance of the central portions of the City, is, without any noise about it, gradually undergoing a great change, in the direction of improvement.

New industries, small and great, are being introduced. Homes are cheap; labor and industry are respected; the idle class, the people of leisure, so called, are at a discount, and all our people, from the laborer for daily wages, to the learned professor in our university, do their part in adding to the resources and credit of the community.

Many things, of course, might be suggested, if one were willing to incur the danger of being regarded as

a visionary, which, if attainable, would add greatly to the prosperity of the City. One especially may be brought to your attention.

I allude to the construction of the Chesapeake and Delaware Ship Canal. The subject is so familar, and has been at so many periods the object of hope, as well as of solicitude, in this community, that it is not necessary to dwell upon it.

But I respectfully suggest that we ought not to allow our energies to flag in respect to a measure so important to our commercial welfare, and that discouragements ought not to daunt the servants of the public in their endeavors to procure it.

Perhaps, the Councils, by their action, can strengthen the hands of our Representatives in Congress, and aid in the final fruition of their efforts.

I have now the pleasure of inviting your attention to the following review of the financial operations of the City during the year 1890, as shown by the report of the Finance Commissioners, and of the City Register.

FINANCIAL CONDITION OF THE CORPORATION.

Amount of funded debt Dec. 31st, 1890.....		$30,091,787.06
Guaranteed debt, viz:		
Endorsement of Western Maryland R. R. third mortgage bonds.....	$875,000.00	
Endorsement of Union R. R. first mortgage bonds	117,000.00	
		992,000.00
Total funded and guaranteed debt December 31st, 1890.....		$31,083,787.06
Of this amount, interest is expected to be furnished by—		
The Commissioners of Finance on Western Maryland R. R. loan and bonds.....	$1,875,000.00	
Western Maryland Railroad Company.....	2,388,000.00	
City Passenger Railway Companies on.....	200,000.00	
Amounts carried forw'd.	$4,463,000.00	$31,083,787.06

Amounts brought forw'd	$ 4,463,000.00	$31,083,787.06
Water Board, from income on	10,300,000.00	
Union Railroad on	117,000.00	
Overdue stock, no interest allowed	224,641.34	
		15,104,641.34
Balance		$15,979,145.72

Productive Investments.

Value of sinking funds.	$7,303,623.08	
550 shares Baltimore & Reisterstown Turnpike Company Stock	2,062.50	
137 shares Baltimore & Frederick Turnpike Company Stock	456.66	
625 shares Baltimore & Yorktown Turnpike Company Stock	5,000.00	
Real estate annual rental. $10,225.11		
Wharf property 38,000.00		
Market houses 50,000.00		
	$98,225.11	
Capitalized at 6 per ct. is	1,637,085.16	
		$ 8,948,227.40
Balance of debt over available income producing securities		$ 7,030,918.32

Unproductive Investments.

4,000 shares Western Maryland R. R. Stock	$ 200,000.00	
Western Maryland Railroad Company mortgages to secure endorsements and loan of City Stock	1,875,000.00	
Western Maryland Railroad Company accrued interest advanced	2,493,000.00	
83,000 Philadelphia and Reading Railroad 3d mortgage preference bonds	83,000.00	
10,000 shares Valley R. R. of Virginia Stock.	1,000,000.00	
120 shares Baltimore & Havre de Grace Turnpike Stock	No value.	
		$ 5,651,000 00
Besides other property, such as—Court houses, Record office, City Hall Jail, Police stations, Fire-engine houses and apparatus, School houses, Almshouse, Ice-boats, Quarantine station, Public Parks, &c., valued at.		$10,000,000.00
		$15,651,000.00

COMPARISON OF DEBT DECEMBER 31, 1890, WITH DEBT DECEMBER 31, 1889.

Amount of funded and guaranteed debt December 31, 1889	$37,730,107.70
Debt December 31, 1890	31,083,787.06
Decrease of debt during year 1890	$6,646,320.64

The decrease of $6,646,320.64 in the funded and guaranteed debt during the year 1890 is thus accounted for:

Overdue six per cent. stock redeemed	$	250.00
Water 6 per cent., 1875, stock redeemed		200.00
Consolidated 5 per cent., 1885, stock redeemed		681.08
Consolidated 6 per cent., 1890, stock redeemed		2,151,762.65
Consolidated 6 per cent., 1890, stock exchanged		5,000,000.00
Five million 6 per cent., 1890, stock redeemed		4,964,460.66
Public Park 6 per cent., 1890, stock redeemed		526,066.25
Western Maryland Railroad bonds and scrip redeemed		2,900.00
Amount carried forward		$12,646,320.64

Am't brought forward...			$12,646,320 64
From which deduct:			
Water 4 per cent., 1926, loan issued.	$ 200,000		
Internal Improvem't 3½ per cent., 1928, loan issued.....	800,000		
Consolida'd 3½ per cent., 1930, loan issued.....	5,000,000	$6,000,000.00	
			$6,646,320.64

Although the actual funded and guaranteed debt of the City is $31,083,787.06, the tax-payers are only called upon to provide interest on $15,979,145.72, of which $7,303,623.08 being in the sinking fund, the City pays interest thereon to itself.

The following bonds of the City were due and payable in the year 1890:

Consolidated six per cents.....	$ 7,306,546.22
Public Park six per cents.....	555,566.25
Five Million Loan.....	5,000,021.55
Total.....	$12,862,134.02

Which have been paid, as far as presented, except $5,000,000 of the six per cent. loan which matured

July 1, which amount was exchanged for bonds bearing 3½ per cent. interest, and due in 1930—thus effecting an annual reduction in interest charges of $263,392.77.

The report of the Commissioners of Finance also gives an itemized statement of the indebtedness of the Western Maryland Railroad Company to the City of Baltimore, to which reference is made elsewhere in this Message.

The following statement shows the condition of the sinking funds held by the Commissioners of Finance for the redemption of City loans.

The increment of these funds, derived from various investments, ground rents, leases, and City stock, is regularly collected by the Commissioners of Finance, and by them re-invested.

The Ordinance of 1881 provides that premiums realized upon sale of City stock should go to the sinking fund, except the Jones' Falls improvement stock. The amount of premium so received during 1890 was $26,010.00.

Value of sinking funds Dec. 31, 1890..	$ 7,303,623.08
Value of sinking funds Dec. 31, 1889..	6,552,491.59
Increase of sinking funds during the year 1890.....	$751,131.49

The report of the City Register shows the receipts from collection of taxes and other sources applicable to the support of the Municipal Government for 1890 as follows:

RECEIPTS—ACTUAL INCOME.

From City Collector, levy of 1890	$3,587,350.03	
" City Collector, levy of previous years	1,391,433.96	
		$4,978,783.99
" public schools, tuition, fees, and J. F. Plummer		3,410.85
" market houses, rent of stalls and halls		55,231.60
" wharfage and rent of wharves		28,788.44
" general licenses		65,852.99
" Chesapeake and Potomac Telephone Company		1,500.00
" auction duties		7,482.58
" Magistrates' fines, Jail and removed cases		23,031.66
" Health and Street Departments		6,501.34
" permits for signs, sheds, &c		8,339.47
" Inspector of Gas Meters		2,108.50
" City Commissioner's Department		6,751.38
" Bayview, Mount Hope and Spring Grove Asylums		8,087 65
" Fire Department		125.90
Amount carried forward		$5,195,996.35

Amount brought forward		$5,195,996.35
From Turnpike dividends		280.90
" sale of City property		1,796.28
" aggregate of sundry small items.		1,113.25
" Banks, interest on deposits		14,863.03
" liquor licenses		386,781.20
" sale of old material, 1928 Loan		717.53
" Dog Pound		307.97
" Bolton property		54,000.00
" City Collector, taxes in Annex for 1888		814.86
" City Collector, taxes in Annex for 1889		39,521.81
" City Collector, taxes in Annex for 1890		97,804 96
		$5,793,998.14
The receipts for 1889 were		5,333,609.65
of which there was received from the City Collector from taxes from the levy of 1888	$3,668,170.73	
From City Collector, levies of previous years	1,338,073.55	
	$5,006,244.28	

This shows an excess of receipts in 1890 over those of 1889 of $460,388.49. This increase is from receipts for liquor licenses, interest on deposits, and other items as shown in above statement. The collection of back taxes for 1889 was $1,338,073.55, whereas in 1890 it was $1,391,433.96.

The following table from the Register's report shows the actual expenses of the City Government for 1890, in order that a comparison may be made with the expenses of 1888 and 1889.

Table Showing Disbursements for Actual Expenses of City Government for Years 1888, 1889 *and* 1890.

	1888	1889	1890
Interest on the public debt	$954,064.70	$1,001,247.40	$1,030,619.66
Expenses of the Law Courts	113,696.95	135,190.41	117,170.89
Cost of Registration	60,115.64	65,138.86	38,472.34
Expenses of City Jail	53,908.44	52,445.63	54,526.24
Magistrates, judgments, suits, coroners and removed cases	27,161.00	31,850.38	40,736.55
Public schools, less amount paid by State	597,902.22	619,759.32	649,360.31
Expenses of City poor	233,917.18	226,543.34	291,970.71
Harbor Commission	77,954.77	57,106.15	51,516.12
Police Department	721,167.89	779,941.88	780,199.03
Health Department	78,816.03	79,776.24	79,004.06
Department of Street Cleaning	265,384.84	262,721.12	267,961.09
Fire Department	269,481.04	239,369.33	279,465.95
Inspector of Buildings' Department	133,163.44	94,201.95	70,052.45
City Commissioner's Department	221,974.66	129,137.63	149,419.68
Amount carried forward	$3,808,708.80	$3,774,429.64	$3,900,475.08

Table Showing Disbursements for Actual Expenses of City Government for Years 1888, 1889 *and* 1890—*Continued.*

	1888	1889	1890
Amount brought forward	$3,808,708.80	$3,774,429.64	$3,900,475.08
Expenses of parks and squares, exclusive of Druid Hill and Patterson Parks	53,250.55	41,519.43	48,253.37
General Superintendent of Lamps, Gas and Electric Light	250,023.11	250,631.29	227,119.99
City Council—salaries of members and expenses	54,922.66	56,935.55	56,919.43
General expenses	1,148.42	1,155.57	1,259.66
Care of Masonic Hall and Court House	3,451.79	10,097.82	10,453.16
Care of Court House and Grounds	6,534.53		
Expenses of Markets and Market Halls	4,766.15	5,177.93	4,962.03
Harbor Masters' commissions for collecting wharfage	8,452.31	6,781.11	7,420.45
Salaries	72,607.09	72,241.27	73,895.54
City Library—Supplies for departments	7,991.89	7,499.02	6,897.18
Public Printing	2,799.53	981.18	4,098.42
Discount on taxes and temporary loans	135,081.80	139,409.07	104,696.38

Heating and general care of City Hall....	21,646.95	16,915 95	17,525.30
Mayoralty.....	2,176.86	1,815.06	1,622.06
Water 1926 Loan sinking fund.....	.....	9,365.32	12,488.66
Internal Improvement 1928 Loan sinking fund.....	.....	9,365.32	12,488.66
Expenditures in Annex.....	.....	251,434.94	190,836.33
Lamplighters' salaries	46,514.00	46,514.00	46,514 00
Special appropriations.....	2,766.55	2,852.30	11,366 38
Ground rents on City property.....	3,697.84	3,697.84	3,469.84
City Collector and Appeal Tax Court—salaries and expenses.....	52,199.48	52,246.02	52,595.70
Election expenses.....	9,243.15	7,690.93	18,515.80
Dog pound	1,148.00	1,000.00	2,189.25
Supervisors of Elections.....	3,972.89	5,567.62	7,336.52
Maryland Institute School of Design.....	6,000.00	6,000.00	6,000.00
Fire-plugs and fountains.....	5,000.00	.....	.....
General licenses.....	1,352.50	1,380.60	1,716 61
Refunded taxes.....	3,502.35	2,005.81	3,802.17
Enoch Pratt Free Library	50,000.00	50,000.00	50,000.00
Release of mortgage—No. 6 Engine House.	6,180.00	.....	.....
Music at the Parks.....	3,000.00	.....	.....
Ice boat Maryland	10,000.00	10,000.00	.....
Extension of City limits	9,707.96	.....	.....
Amounts carried forward.....	$4,647,847.16	$4,844,710.59	$4,884,917.97

Table Showing Disbursements for Actual Expenses of City Government for Years 1888, 1889 *and* 1890—*Continued.*

	1888	1889	1890
Amount brought forward	$4,647,847.16	$4,844,710.59	$4,884,917.97
Insurance of Bayview Asylum	1,305.00	1,295.00	1,280.00
Repairing Records of Circuit Court	2,000.00	.....	.....
Survey for removal of tracks on North St.	1,032.37	.....	.....
Baltimore Light Infantry — improvement of armory	1,000.00	.....	2,000.00
Building new Ice Boat	.....	60,000.00	.....
Surveying and Platting the Annex	.....	4,361.90	.....
New bell on City Hall	.....	2,943.00	.....
Lots for Colored School and Manual Training School	14,800.00	.....	.....
City's proportion for opening and closing streets	300,683.92	197,012.18	180,393.49
State Tax on City Loans	15,996.10	11,965.42	12,825.64
Aggregate of small items	1,570.66	2,893.22	2,748.75
Paving streets	.....	1,163.27	.....
Liquor License Commission	.....	.....	9,998.28

Ice boat Annapolis			10,000.00
Purchase of ground for No. 16 Engine House			3,400.00
	$4,986,235.21	$5,126,344.58	$5,107,564.13

The actual income during 1890 was	$5,793,998.14
The actual expenses same period were	5,107,564.13
Income over expenses	$686,434.01
Received in Treasury from all sources, including cash balance December 31, 1889	$9,719,414.99
Payments from Treasury during the year	9,590,868.07
Cash in bank 31st Dec., 1890	$128,546.92
The decrease of bonded debt was	$6,646,320.64

The decrease in bonded debt is, of course, explained by the redemption of old stock, less issue of new.

Existing Claims.

		1888	1889	1890
Balance due Water Board		$24,557.78	$22,303.17	$30,484.73
Balance due Park Board		2,818.84	10,439.63	53,264.65
Balance due Jones' Falls Improvement		69,657.89	9,276.22	605.10
Balance due completion of Harford Run		52,426.79	32,440.89	30,435.66
Balance due Water 1926 Loan		45,115.91	.....	.....
Balance due Internal Improvement 1928 Loan		.....	198,768.88	.....
Temporary loans from banks		915,000.00	765,000.00	.....
Paving Certificates maturing during year 1889		6,891.12	.....	.....
Paving Certificates maturing during year 1890		.....	9,008.21	.....
Paving Certificates maturing during year 1891		.....	.....	6,832.33
		$1,116,468.33	$1,047,237.00	121,622.47
Deduct from 1888—				
Amount due for taxes from Annex	$60,000.00			
Cash balance in bank December 31, 1888	293,956.00			

Amount due by Bolton property	415,000.00			
		768,956.00		
Deduct from 1889—				
Amount due by W. Md. R. R. Co. for January interest	41,370.00			
Cash balance in bank December 31, 1889	372,548.12			
Amount due by Bolton property	200,000.00		613,918.12	
		$347,512.33	$433,318.88	

As against the existing claims of 1890 we have the following:

Cash In bank December 31, 1890	$128,546.92	
Amount due from Internal Improvement Loan	7,266.99	
Amount due from Chesapeake and Potomac Telephone Co	1,832.60	
Amount due from liquor licenses	8,260.50	
		$145,907.01

Thus showing a surplus Dec. 31, 1890, of $24,284.54.

The Bolton Depot property indebtedness having been entirely paid off, this accout does not appear in the financial report for 1890.

SINKING FUND.

A distinguished ex-Governor and former Mayor of this City, with his customary and marked ability, tersely said, that "No well regulated government will deliberately incur a debt without providing the means for its liquidation. If considerations of great public interest, or necessity, demand large appropriations, it is much better to exhibit the same to the public on the face of a tax bill, than to permit them to accumulate uncancelled, and in the end contribute to swell the stealthy and oppressive incubus of a funded debt."

The correctness of this statement has been demonstrated beyond controversy in the world of finance, and therefore needs no elaborate argument to establish its absolute truth.

In view of the business depression, which prevailed some years since, and the high tax rate necessary, in order to meet current expenses, and the 6 per cent. interest upon the older loans, it was deemed expedient by our predecessors, not to levy the full amounts required for the sinking funds under existing ordinances.

This, of course, is to be regretted, and now that business in all departments gives evidence of healthy activity, and so much of maturing loans as it has become necessary to refund, bear a much lower rate of interest, it would seem to be quite appropriate to provide in the levy for the necessary increment to the sinking funds.

While this may increase the rate a few cents, it would not only be complying with existing ordinances, but would be the part of prudence, good faith and sound financiering.

CITY COMPTROLLER.

This department presents in tabulated form, a full report of the receipts and disbursements of the Corporation during the year 1890.

The exhibit is more satisfactory than for several years past, and every citizen may well avail of an opportunity by careful study of the facts presented, to become entirely familiar with public business, which is really the private business of each member of the community.

Familiarity with the methods of transacting municipal business, will not only prepare its possessor for the better exercise of the duties of citizenship, but will relieve the apprehension which sometimes obtains, that official duties are not performed with the same degree of ability and faithfulness which characterizes the transaction of private business.

The Comptroller states a fact, not generally known, when he says, "Accounts of all receipts and disbursements are entered upon the books of both the Comptroller and the Register; these two records must harmonize, and as money cannot find its way into, nor out

of the Treasury, except upon the warrant of the Comptroller, the proper safeguard is thus thrown around the financial officers."

One item of increase in expenses to which attention is called, was caused by compliance with the requirements of the new election law, particularly in the erection of booths in each precinct; but if the absolute sanctity of the ballot, the bulwark of American liberty and the foundation of free institutions, can be best preserved by our present method of voting, we can easily afford to bear increased burdens of expense, and do it willingly.

Every claim against the City is presented in the form of a bill, duly approved by the department which, in pursuance of authority from the Council, may have contracted same, and the system for filing away and readily referring to these vouchers is most admirable, and the Comptroller calls attention to the necessity of making appropriation of $1,600 to enable him to provide enough additional files for the uses of his department. Suggestions are also made in the report as to amendments to the laws regulating the licensing of vehicles, which would not only facilitate the working of the Comptroller's department, but would benefit the public by a material saving of time, which are commended to your attention.

Reference may be again made to the imposition under which our City suffers, in view of the fact that

during 1890 the City expended in maintaining the several courts, the sum of $114,120.89, while the State received all the income from licenses, tax on executors' and administrators' commissions, &c., which aggregates a sum largely in excess of the amount paid by our taxpayers to support the various courts. The enormity of this injustice has provoked comment from every Mayor of this City, whose attention was directed to it, and must be perfectly apparent to all.

The report shows the amount expended in
the 21st and 22d Wards to have been... $247,609.09
While the receipts were..... 134,222.84

And in view of the great needs which exist in that section of the City, I trust that the Council will continue to make appropriations quite as liberal as may be possible, consistently with good judgment.

CITY COLLECTOR.

It would be superfluous to attempt to emphasize the urgent necessity of some re-arrangement of our assessment and tax laws, so as to adjust as far as possible the many glaring inequalities of the present system.

It is to be hoped that under some of the constitutional amendments to be submitted to the people next fall, for adoption, some measure may be devised by our legislators to equalize taxation without unnecessarily repelling capital from our midst.

A re-assessment of property is very urgently needed, not only in the City proper, but especially in the 21st and 22d Wards, where the Collector encounters great difficulty in locating property for taxation.

The Collector calls attention to the cramped condition of his office, and the necessity of enlarging the room in which his labor is performed, to which reference is made in another portion of this message.

Other recommendations are made with regard to needed additional help, in order to facilitate the growing business of his department, and one with regard to a re-survey of the whole city is especially commended to your consideration as being very important.

The report and accompanying schedules show the amount of collections from various sources, briefly summarized they are:

Schedule A—Amount received from January 1st, 1890, to December 31st, 1890, for taxes in the 1st to 20th Wards, inclusive		$5,213,887.56
21st and 22d Wards.....		137,326.77
City's share.....		$5,351,214.33
State, 1st to 20th Ward, inclusive.....	$424,172.36	
21st and 22d Wards.....	35,862.28	
		460,034.64
Total amount received.....		$5,811,248.97

Schedule B—Receipts from streets.....	$187,243.76
" from paving streets	47,836.56
On account taxes in arrears.....	1,391,433.96
On levy of 1890.....	3,587,350.03
From numbering houses 1887 account...	23.25
Total.....	$5,213,887.56

Schedule C—Shows the tax rate per hundred dollars, and the different items constituting the levy for each year from 1885 to 1890, inclusive.

Schedules E, F, G, H, I, contain details which need not be enumerated here, but are worthy of your attention.

The last estimate of the Ways and Means Committee was that 70 per cent. of the 1890 levy would be realized during the current year, and there was collected $70\frac{20}{100}$ per cent., and the Collector informs me that the gross amount in arrears, at the present time, is larger than ever before in the history of the City.

APPEAL TAX COURT.

During 1890 permits were issued for 1537 "new" and 521 "additional" improvements, and the increase in the taxable basis has been $5,478,808.

The transfers of property during the year numbered 6952 as against 7802 for 1889.

Plant exemptions from City taxes during 1890 aggregate a total to individuals and manufacturers of	$1,510,526.00
Consolidated Gas Co. of	590,219.00
Total	$2,100,745.00

as against $2,114,506 for 1889.

The following table will show the increase in the basis of taxation during the last six years.

Real and Personal Basis from 1885 *to* 1890.

1885.	Real	$194,416,894	
1885.	Personal	59,496,377	
			$253,913,271
1886.	Real	$197,730,574	
1886.	Personal	58,510,081	
			$256,240,655
1887.	Real	$200,775,614	
1887.	Personal	64,784,338	
			$265,559,952
1888.	Real	$203,752,853	
1888.	Personal	63,763,871	
			$267,516,724
1889.	Real	$206,892,526	
1889.	Personal	65,878,357	
			$272,770,883
1890.	Real	$209,553,077	
1890.	Personal	68,696,614	
			$278,249,691

INSPECTOR OF BUILDINGS.

The Inspector's report conveys important information regarding operations during the past year, a period which was marked by unusual activity in the performance of various duties devolving upon his department.

He states the amount expended during 1890 to have been $291,836.70. The net revenue accruing to the City from permits issued from his office, during the same period, amounted to $6,945.38 as against $6,857.40 in 1889, and $5,250.27 in 1888.

There have been completed and turned over to the School Board eleven new buildings, including two in the Annex—all built upon the latest improved plans, and every attention having been paid to details of construction looking to the health and comfort of those who are to occupy them.

All the ordinances authorizing new buildings to be constructed have been fully complied with, except in the case of No. 13 Annex School, which is rapidly approaching completion, and will be ready for occupancy in the course of two or three months.

The Inspector again calls attention to the condition of the ceilings in some of the schools, and I recommend that ample funds be appropriated to enable him to insure perfect safety in that respect.

In reference to special permits for bay windows and store fronts, larger than now permitted by the Code,

it is desirable that an extra fee be charged at the same rate per superficial foot as the present law directs to be charged for bay windows 2x10, so that valuable concessions may not be made for a merely nominal fee; and an ordinance to protect the interest of the City in this particular will be submitted for your consideration.

The absolute inefficiency of our building laws, or rather the absence, in many important cases, of any law, emphasizes one of the greatest needs under which our City rests.

Unscrupulous persons, with regard only to the immediate profit of their transactions, are enabled to defy the efforts of the City authorities to prevent the erection of hastily constructed and therefore dangerous buildings, and it is imperatively necessary that the next Legislature be asked to pass an enabling act to confer appropriate authority upon the Mayor and City Council to frame such laws as will be fully respected.

COMMISSIONERS FOR OPENING STREETS.

The Commissioners for Opening Streets have reported that the amount of damages awarded by them during the past year was	$501,760.92
Expenses	12,129.63
Total	$513,890.55
Of which the benefits assessed upon individual property owners was	181,967.78
The City paying	$331,922.77

In view of the large annual expenditure, and the important duties devolving upon the Commissioners, no department of the City Government is more closely identified with the vital interests of the community, and none could exist in which conscientious performance of duty is more frequently attended with embarrassment.

In the very important matter of street openings, the interests of private individuals are frequently placed in opposition to the interests of the City, that is to say, of the tax-payers at large, and no measure of this kind should be approved if it involves an expenditure of money which is disproportionate to the benefit to be produced.

In my message of January, 1890, opposition was expressed to what I considered an unnecessary expense in the method of opening Douglass street, a most desirable improvement which might have been brought about at less cost to the tax-payers; however, as the majority differed with the views I then expressed, I am satisfied with having performed what appeared to be a duty.

Mention is made of this subject, however, for the purpose of calling attention to the fact that the Douglass street opening does not really bring the relief needed in a section of the City which is most neglected, and the condition of which is absolutely disgraceful. I refer to the section lying between Aisquith and Exeter streets, north of Fayette street and south of Low street.

The way to improve this section is by spending money judiciously, right there on the spot, and not by tearing down costly buildings a third of a mile distant. Forrest street should be opened through to Fayette street, at the corner of Comet alley, instead of ending, as it now does, in a crooked, unpaved alley. In 1873 an ordinance was passed to open Forrest street through to Fayette street, but it was not in conformity with the preliminary notice and, by a decree of the Circuit Court, it was pronounced null and void.

But a more important and radical measure is, I think, needed. An examination of this part of the City will show that all of this region was permanently injured by the singular mistake which was made in laying out East and Chesnut streets only 72 feet apart. On the lots between these streets, averaging only 36 feet in depth, no decent improvements have been or ever will be made, and the houses built on the opposite sides of the streets, that is to say on the east side of East street and the west side of Chesnut, are also most miserable and squalid, reflecting the character of the houses which face them, although the depth of the lots on the east side of East street and the west side of Chesnut street is such that improvements of a good class might be built upon them.

After much reflection, it has seemed to me that the only cure for this state of things is to condemn and tear down all the houses between East and Chesnut streets, from Fayette street northwardly to a point

(about 147 feet from Douglass street), where the two streets diverge, and become far enough apart to admit of decent improvents being built upon them. I should not recommend this merely for the sake of getting rid of the disreputable houses which disgrace this neighborhood, if there were any probability that the property thereabouts might ever be better improved either for residence or business purposes. But it is impossible that any good improvements will be put up there while the streets remain as now laid out. It is a great misfortune that the streets were laid out on this absurd plan, and it is only through action on the part of the City that the mistake can be rectified.

The new street thus made will be about 162 feet wide, about the width of Eutaw Place, and it should be parked with trees and grass plats down the middle, like Eutaw Place or Broadway. It would then constitute so handsome an improvement as to materially enhance the value of property, and insure the speedy erection of an entirely different class of improvements in that locality. But even if this increase of values should not occur, the City owes it to itself to do away with the miserable slums which now exist there, because the Douglass street opening will cause a wide avenue to pass through and expose to the gaze of the public what before was comparatively out of the way and hidden. It may not be sound public policy for the City to embark in the business of buying out slums, but here is an eye-sore and a hideous offense to the moral sense of the community.

The cost of this improvement will be much less than might be supposed. The total assessed value of all the property to be thus condemned and destroyed is about $80,000, the property consisting of some ninety-five dwellings of the average value (for house and lot) of only about $850, and no doubt a considerable part of the expense will be made up from the benefits to be assessed upon property on the improved and widened street.

The substance of these suggestions was embodied in a communication which I addressed on April 11, 1890, to the City Council Committee on Highways, and further reflection on the subject has convinced me of the urgent need of this measure of relief to a section of the City which ought to be very different from what it is.

The preliminary notice of an intention to apply for such an ordinance has already been published, and I trust the Council will concur with me as to the desirability of the improvement. Preliminary notice for the proposed opening of Forrest street has also been published. A study of the map, or an examination of the locality, will show that the closing of the westernmost end of Half Moon alley, and also the westernmost end of Comet street, is needed to complete the proposed improvements, and preliminary notices, accordingly, have already been inserted in two of the daily newspapers.

In the matter of street openings, in order to fully develop the animus of all propositions to open or widen streets, lanes and alleys, in my opinion, the law should be changed so as to require the legal advertisement of the purpose to make such application to be signed by several responsible persons, and preceded by an elaborate survey, with a full description of the proposed opening, accurately made, so as to thoroughly inform the public and prevent the consummation of schemes which benefit private property almost wholly at the expense of the City.

The Examiner of Titles suggests that every street should be opened from end to end, wherever practicable, by one ordinance, and that no ordinance for street opening should be passed unless first submitted to, and approved by, the Commissioners for Opening Streets, and no alley under 20 feet should be opened at the City's expense.

An instance of what is considered an unwise expenditure may be referred to in the Brevard street opening—which I suggest may well be repealed, because the City gets no benefit commensurate with the cost of about $8,000 for part of one square. It simply widens a 20-foot alley, making a 50-foot street, one side of which is now built up with small houses which are likely to remain there without change.

I ask also the repeal of Ordinance No. 55, approved May 2, 1888, entitled "An ordinance to condemn, open

and extend Orleans street, and widen Low street from Forrest to Exeter," because the improvements I have suggested above will render this entirely unnecessary; it will greatly damage the adjacent property, making a very crooked and irregular street, be of very little benefit to any one, and none to the City; further, it will greatly decrease the taxable basis, and will cost some $50,000.

The report of the Special Commission refers to the fact that the interests of the City will be best served by changing the method of appointing the Commissioners for Opening Streets, and recommends that we resume the former method of making appointments for one, two and three years, so that familiarity with the duties of the position may not be entirely destroyed by reason of changes which may be made during some future administration of the City Government.

CITY COMMISSIONER.

This department has charge of street paving and repairs of same, building of sewers, as well as the construction and repairs of bridges, and annually disburses a very large sum of money in the prosecution of the various works of internal improvement.

The number of miles of streets under the supervision of the Commissioner, in the whole City, is about 500, and in 1890 appropriations amounting to $1,511,602.86, were made to cover the cost of the projected improvements authorized by the Council.

Recommendations are made as to the urgent necessity for improved pavements in many sections of the City which are not only needed, but are urgently demanded by our citizens, and to which I ask your especial attention.

The report gives interesting details of the progress of the work of the department during the year ending December 31st, 1890.

The unexpended balance of the last appropriation for the construction of Light Street bridge is $59,077.44, and the Commissioner informs me that this will amply cover the cost, and probably leave a surplus to be returned to the treasury.

BRIDGES.

The splendid structures at St. Paul street and also at Calvert street, were erected at great expense to the City, and it would be poor economy to allow them to deteriorate for want of the proper attention.

The hand railing on St. Paul street bridge has literally rusted away, and portions of it almost crumble beneath the touch, and the same conditions obtain, almost with equal force, at North, Chase, Gay and Pratt streets. It will therefore be necessary to provide for having these bridges repaired, cleaned and painted.

The City Dock Drawbridge needs repairs to the bearing wheels and track of the turn table, made nec-

essary by the ordinary wear and tear, otherwise some accident may occur. This bridge also needs thorough repainting as the iron has become much corroded by the gases from the Chrome works.

The traffic over this Drawbridge is enormous and any stoppage of it, even temporarily, would be a great hardship to business interests.

MONROE STREET BRIDGE.

I hand herewith a communication from the West Baltimore Improvement Association, in reference to bridges over Monroe street.

One of the said bridges, viz: that crossing the Baltimore and Ohio Railroad, is now in course of construction, and will be finished during the coming Spring.

In order to meet the necessities of that section, it will be necessary to provide for a bridge where Monroe street is crossed by two railroad tracks, near Fulton Station.

When permission was granted the Baltimore and Potomac Railroad to build its line, the City required that a bridge or tunnel should be built at this point, when necessary, and the Company are willing to comply with its agreement, but no such restriction was imposed upon the Western Maryland Railroad, whose tracks very nearly parallel those of the Baltimore and Potomac Railroad, and therefore a tunnel or bridge over one road will be of no practical use until the City provides for its continuation over the other.

BOARD OF CITY COMMISSIONERS.

As as present constituted, in view of the increasing magnitude of the business transacted, it is almost a physical impossibility for the best interests of the corporation to be efficiently cared for under the City Commissioner's department.

It is not intended by this statement to convey the idea that the public business has been wilfully neglected; indeed it may be truthfully said that in view of the multiplicity of subjects which claim the attention of the Commissioner, and his assistants, it is but proper to express gratification that every effort has been put forth to obey, with faithfulness and ability, the instructions of the Council in matters of public improvement.

Nevertheless, the fact is apparent, that the growth and development of a great city, demand more enlarged facilities for the performance of the important functions of a department which annually disburses large sums of money, one in which economic administration is a prime consideration, and in whose operations the comfort and convenience of the public are so vitally concerned.

The public service of a municipal government ought to be conducted in a spirit of independence of, or indifference to, all questions bearing upon anything akin to political expediency; in other words, appreciation of what may be termed "party service" should not be

allowed to cloud the judgment in the selection of employees, and should only be entertained after the question is definitely settled as to whether the interest of the whole City can best be served by considering the ability for effective service of applicants for position, and after this point is settled there can be no objection to the supporters of any dominant party participating in the emoluments of office.

This can best be accomplished, in my judgment, by placing the City Commissioner's Department under a board of control, to consist of four citizens, who shall serve without pay, and with the Mayor shall be styled the "Board of City Commissioners," such appointments to be made with the advice and consent of the Council—and should represent the intelligence and integrity of the community, and thus insure the adoption of purely business methods in the prosecution of important works of public improvement.

Authority should be given to such Board to appoint, at a salary of $4,000 per annum, a thoroughly skillful city engineer, whose knowledge and experience would be of vast benefit, and materially lessen the expenses of the City where technical training in that line is indispensable, together with such assistants as may be necessary.

Such service, under the present system, is necessarily availed of upon special occasions, but there appears to be no reason why the City should not offer such a

salary to a chief engineer as will secure permanently the qualifications which are needed in this respect.

The efficient and satisfactory administration of the Water, Harbor and Park Departments, would seem to indicate that the same methods applied to the City Commissioner's Department would be equally successful.

An ordinance covering these suggestions will be submitted for your consideration.

IMPROVED STREET PAVEMENTS.

It would be useless to attempt, even if we should be so disposed, to disguise the fact that many of our streets are wretchedly paved and, therefore, are not only a source of discomfort to all who use them, but of largely increased expense on the part of owners of vehicles in the way of repairs made necessary by the rough condition of some of our principal thoroughfares.

Two causes may be assigned for the unsatisfactory condition of affairs in this respect. First, the almost complete surrender of control of the streets to various corporate enterprises, who invade and tear them up *ad libitum*, and to which little or no objection is offered, because comparatively few are willing to rest under the imputation of opposing "municipal progress."

Every encouragement should be given to corporate, as well as to private enterprise, to locate here, and

reasonable facilities afforded such for the prosecution of legitimate business, but the interests of the City should not be disregarded by neglecting to impose reasonable restrictions for the preservation of its highways.

Second, the manner of laying pavements is susceptible of vast improvement. Experience has demonstrated that the most durable and serviceable pavements are those having a substantial foundation—which has, hitherto in Baltimore, been thought to be furnished simply by the use of sand which cannot be made water-tight, and is liable, by infiltration, to become uneven and require constant repair. Upon streets not used in heavy traffic it is well enough to consider the propriety of using various patent pavements such as the asphalt block, spread asphalt, and even paving-brick, which some of our neighbor cities are now demonstrating to be quite satisfactory—but the Belgian block, properly laid, is absolutely necessary in the business sections of the City.

Unless we are willing to make quite liberal expenditures in foundation work, the structure of the pavement will necessarily be weak and defective, and, in a comparatively short period, become uneven and a source of discomfort.

Study of the methods in vogue, in the principal European cities, may be made with profit in this connection, because experience there has demonstrated the

economy of first making elaborate street beds, even at lavish expenditure of money, of such substantial character, and durability, as would require merely nominal outlay for maintenance of the pavement to be laid thereon.

I recommend that the City Commissioner's Department be clothed with authority to investigate and adopt measures by which the Belgian block pavements, hereafter to be laid on streets which are subject to rough usage, shall be set in a cement foundation, impervious to water, and thus avoid the ruts and holes which so frequently appear in newly paved streets.

Improvements have, as you are aware, been temporarily suspended, by advice of the law officers, who filed a motion for rehearing in the Court of Appeals in the case of Ulman vs. Mayor and City Council, and final decision is awaited in order to enable us to act intelligently in framing future ordinances.

I recommend that the work of repaving principal streets shall be systematically begun, and that the Council shall investigate the localities where such improvements are most needed.

In this connection I would mention the following streets, as among others, which sadly need attention:

Broadway, from the Market to Boundary avenue.

Pratt street, from the bridge to Eutaw.

Baltimore street, from the bridge to Eutaw.

South street, from Baltimore street to harbor.

Light street, from Lombard to Montgomery.

Hanover street, from end to end.

Charles street, from Barre to terminus.

Eutaw street, from Madison to Eutaw Place.

Dolphin street, from Eutaw Place to Charles.

All of which should be paved with Belgian block, laid upon the most durable foundation which can be constructed.

DEPARTMENT OF STREET CLEANING.

In my first message attention was called to the anomalous conditions under which the head of this department must administer the functions of his office. He is, very properly, held responsible for the satisfactory performance of work which is most essential to the health and comfort of the City, and yet existing ordinances deny him the privilege of selecting subordinates.

This power is absolutely requisite in order to promote efficiency, preserve discipline, and entirely remove the temptation to make appointments upon any other grounds except that the interest of *the City* will be best served.

It is an undeniable fact that our present system of street cleaning is susceptible of much improvement,

and our methods of collecting garbage provoke frequent complaint, so that the discussion of the two subjects contributes largely to the mortification which conscientious officials experience in sometimes fruitless efforts to perform a plain duty in a common-sense, business-like manner. Changes in the present system proposed from time to time, are met by the assertion that we have a City which compared with others is a model of cleanliness. While this may be conceded as a fact, it is doubtful whether it would remain so but for convenient showers and the natural tendency of rain water to seek its level, carrying with it accumulations of dirt and filth which would soon become offensive to the eye and a menace to health.

Another objection, absurd as it appears, is that it benefits the laboring man for the City to pay $18 per week to drivers of garbage carts, but this argument loses its force entirely if the fact is considered that under the system in vogue, one person can become the owner of an unlimited number of carts, for which full price is paid by the City, and profit by the difference which exists between the amount received and the amount paid sub-employees, perhaps as much as two-thirds of the sum the City pays.

Appropriations were made during the past year, amounting to $285,846.00, for the purposes of this department, and it has been confidently asserted that the work could be done, much more efficiently, and at a large saving of money, by private persons, and the

time has arrived when, in justice to the best interests of our whole people, it would be unwise to refuse to give very earnest attention to bona fide propositions emanating from sources worthy of respect and of undoubted responsibility.

If it is true that a sum can be saved which approximates anything like the large amounts which have been mentioned, we are under obligations to consider propositions in that direction, under such restrictions, of course, as will guard the City's interest, with the requirement that a good and sufficient bond shall be made, such as will insure, beyond contingency, that the work will be done promptly and in a thoroughly efficient manner.

Herewith is transmitted a proposition to clean the streets, now opened and used, for the sum of one hundred and seventy five thousand dollars ($175,000) per annum for five years, which is about one hundred and ten thousand dollars ($110,000) less than it cost the City during 1890.

If it is deemed advisable to enter into such a contract, I recommend that a bond of $100,000 be required, to be executed by one of the Guarantee Companies, and in view of the clause "Streets now opened and used," that provision be made to guarantee service, at a proportionate sum, on streets to BE opened and used in future.

The prospect for the full and complete adoption of what are termed "business methods" in City government may be somewhat nebulous, a subject of future hope and anticipation; but the same methods of common sense and business prudence which are employed in private enterprise, if used in the conduct of City affairs, will contribute largely to bring about the desired end.

If in the management of our individual concerns, we speedily adopt measures looking to the effectual reduction of our expenses, while at the same time the facilities for the better transaction of our business are improved, why shall we not act upon the same lines in the performance of our sworn duties to the community at large?

In accordance with these views there was prepared and transmitted to the last Council, a very carefully framed ordinance providing for the cleaning of the streets by contract, and I now again urgently recommend attention to the subject, and the passage, either of a general ordinance of the character indicated, or that authority be given to accept the proposition above mentioned.

HEALTH DEPARTMENT.

This department presents a full and interesting report of the vital statistics of the City during the past year.

Total number of deaths reported during the year was 10,198, of which 8,057 were white and 2,141 were

colored, an increase over last year of 833. The death rate was $22\frac{41}{100}$ per thousand (white 20.98, colored 30.15), an apparent increase of $5\frac{01}{100}$ per thousand over the mortality of 1889, caused partly by change of the basis of calculation, former estimates being based on a supposed population of 500,343, and a recent census by the Police Department giving the actual number of inhabitants as 455,427.

A study of the mortality tables shows an increase in the deaths from consumption, pneumonia, bronchitis, typhoid fever, measles and cancer, and a decrease of deaths from diphtheria, croup, scarlet fever, whooping cough and cholera infantum.

The increase in deaths from diseases of the respiratory organs is due largely to the prevalence of influenza and measles during the first half of the year.

The decrease above referred to is attributable to more thorough methods of sanitation.

The Commissioner makes very just complaint of the difficulty which this department encounters, in the enforcement of the law requiring accoucheurs to make report of births. In consequence thereof it is questionable whether the figures are strictly accurate, which place the birth-rate during 1890 lower than the death-rate.

The total number of births reported was 9,398, of which 8,226 were white and 1,172 colored, being $20\frac{65}{100}$ per thousand of the population.

The cost of the department for the year was :

Department proper	$59,030.97
Quarantine Hospital	17,973.11
Annex	4,294.00
Total	$81,298.08

Reference is made in the report to the "necessity for making some provision for the treatment of indigent persons suffering from contagious or infectious diseases." At present there is no hospital in the City where such cases are received, and the recommendation that such provision be made, by the City, is entirely worthy of the attention of the Council.

Another matter of importance to the health of our City is the desirability of the appointment of a Vaccine Physician for each ward, instead of one for every two contiguous wards, as at present.

The appointment of the present number was considered all that was necessary when the population of the City was only 212,418 ; now that the duties, devolving upon these officers, have more than doubled, it would appear that the health of the City would be materially benefited by the change suggested.

The material increase of territory and the additional work which has been imposed upon this department makes it necessary for the Commissioner to ask for an increase of his force, which subject is submitted for your consideration.

Various other matters, of great importance to the health of the City, are referred to in the report, to which your attention is respectfully urged.

CITY MORGUE.

It is a matter of profound satisfaction to report to your Honorable Body that our City has finally provided adequate accommodations for the care of the remains of the unknown dead, and for decent exposure of the same for purposes of identification.

The building erected in pursuance of Ordinance No. 156, approved July 9th, 1890, is fully completed, and in its construction and adaptability for the purposes for which it is intended, reflects great credit upon this community.

The Commissioner of Health and the Inspector of Buildings visited, by my direction, some of the principal cities north of us, and had the benefit of their own observation, as well as the experience and advice of a number of competent persons, the result of which has been that we are now said to possess a morgue more convenient and better equipped than any city they visited, and at far less cost, the appropriation of $4,000 having entirely covered the expenditure.

It is necessary for the Council now to provide for a keeper of the Morgue, at a reasonable salary, and I suggest the appointment of some person who is a practical undertaker, and whose knowledge of the care of dead bodies will enable him to discharge the duties of the position intelligently.

QUARANTINE HOSPITAL.

Provision was made by the last Council for necessary repairs, and painting, of the buildings, and the property is now in a first-class state of preservation.

Since the removal of the Quarantine to its present location, the old Quarantine, now the Pest Hospital, has remained under the supervision of the Quarantine Physician, but the buildings are in a dilapidated condition, and in the event of an epidemic the Health Department would be greatly embarrassed for want of some inhabitable building in which to care for cases of sickness which the public welfare requires to be isolated.

The suggestion is made that a committee of the Council visit the locality in order to investigate and make intelligent recommendations as to the proper course to be pursued in this respect.

The extension of the quarantine lines, to a point below Sparrow's Point, was effected during the last session of the Legislature, and the completion of the steam launch authorized by the last Council has greatly facilitated the important work of the Quarantine officers.

The cost of maintaining the Quarantine and Pest Hospital during 1890, was $17,973.11, and the fees collected, and paid to the City Register during, the same period, amounted to $4,692.83.

BAYVIEW ASYLUM.

The proper administration of the affairs of such an institution as our Almshouse, is a subject which affords a wide field for the exercise of the highest powers of discrimination, in order that necessary, temporary relief, may not be made the means of injury to the indigent, by creating the habit of relying upon public doles until permanent pauperism has been engendered.

That the maintenance of such an institution has been made a civic duty, shows that so general is the principle of humanity to our fellow men, that it has assumed the form of public right. It distinguishes the high character of modern civilization, and emphasizes the correctness of our claim of being second to no City in those works of beneficence which constitute illustrious examples of the public as well as the private exercise of the noble quality of charity.

It is with gratification that the Trustees report the completion of the addition to the institution, by means of which, not only will the crowded condition of the Insane Department be relieved, but various removals may be made from other places, where patients are at the city's charges, costing considerably more than they would at Bayview.

The report of the Trustees shows:

Amount drawn from City Treasurer	$84,694.63
Amount paid Register	4,057.80
Actual amount expended	$80,636.83

Average number of inmates	$1068\frac{6}{12}$
Cost per capita	$\$75.86\frac{1}{20}$
Amount of appropriation	$85,000.00
Amount expended	84,694.63
Amount unexpended remaining in City Treasury	$305.37

One serious expense to which we are subjected, arises from the attention given to the care of unfortunate persons who do not properly belong to our community.

I am informed that a large proportion of the indigent persons cared for by the authorities at Bayview, are residents of other localities, and any plan to prevent such persons from coming here, would be welcomed, while the provision of a reasonable sum to enable the Bayview Board to send such persons away, would be a considerable relief to our tax-payers.

Of course, great discretion must be used to prevent the appearance of a disposition to be inhumane, in case a stranger is sick and helpless, when the common instincts of humanity would leave no other course open but to care for him decently until he could be removed with comfort.

CITY JAIL.

This institution is, at once, an evidence of sagacious business management, and a credit to the Board of Visitors and the executive officers.

The premises are kept in a remarkably clean condition, and the sanitary arrangements are entirely conducive to the health of the inmates, as evidenced by the report of the Jail Physician, Dr. Thomas S. Latimer, which shows that during the year he has treated 4,332 cases, and only five deaths occurred within that time.

The financial showing for the year is gratifying, and, as compared with former years, is worthy of careful consideration.

The following exhibit, for a series of years, is respectfully submitted:

Year.	Appropriation.	Average number of Prisoners.	Amount expended.	Cost per capita.	Returned to Comptroller derived from various sources.
1883	$50,000 00	381 $\frac{6}{12}$	$49,999 84	124.09 $\frac{1}{10}$	$ 2,659 00
1884	52,000 00	458	52,000 00	107.14 $\frac{9}{10}$	2,925 63
1885	60,000 00	478 $\frac{5}{12}$	59,984 88	120.99 $\frac{3}{10}$	2,099 74
1886	62,500 00	533 $\frac{1}{12}$	62,499 57	112.03 $\frac{2}{10}$	2,776 99
1887	62,500 00	452	60,999 65	130.44 $\frac{7}{10}$	2,037 34
1888	60,000 00	471	53,909 34	110.01 $\frac{1}{10}$	2,094 01
1889	52,460 00	507	52,445 63	98.26 $\frac{7}{10}$	2,624 15
1890	55,000 00	522	54,471 34	78.16 $\frac{1}{10}$	13,670 98

In these days, when charges of municipal mismanagement afford writers in various sections of the country opportunity to display ability in making assertions not always substantiated, it is a matter of pride that the City of Baltimore can show such a record in the management of one of its public institutions.

GENERAL SYSTEM OF SEWERAGE.

Upon this question, the consensus of opinion leads inevitably to the conclusion that sooner or later the city of Baltimore must consider the propriety of establishing a general system of sewers. It is scarcely possible that the plan of surface drainage will always suffice, or that the continual sinking of cesspools, in every section of the city, will not, in the course of a comparatively short period, seriously affect the comfort and general health of our people. A vast amount of money has been, and is now being expended in sewer construction, which, while affording temporary and very necessary relief to certain sections, is only judicious in so far as the work in hand may be made available as a constituent part of some future general plan for the relief of the whole city.

Briefly stated, it is a fact that our main dependence for the disposal of storm water, has been the natural lines of drainage along the streets to the one and only confluence of a land-locked harbor, with the resulting expenditure of considerable amounts in dredging continually, in order to avoid serious interference with

navigation; while for house drainage scarcely any provision has ever been made save to discharge it into pits or cesspools, which overflow and create a nuisance to be relieved temporarily by the night-soil scavenger. Serious detriment to health must ensue if this primitive method is continued to be followed in the future life and expansion of a great and growing city.

The unlimited supply of water with which our city is favored, is a stimulus to domestic consumption, and an incentive to the erection of water-closets, which emptying into the cesspools, cause their more frequent overflow and increased expense to their owners, whilst slops and other forms of house waste, including that from the bath-room, (which a most excellent ordinance requires should have a place in all houses to be erected in future,) have no other out-fall than by the surface gutters of our side-walks and streets, where they add materially to the amount of offensive matter to be cleared away by the street department, and cause to that department, especially in the winter season, increased expense in its efforts to keep the gutters and crossings open and free from accumulations of ice and filth.

It is undoubtedly the case that material improvements and large additions to the taxable basis have followed, with remarkable proximity, the construction of sewers, even under the necessarily imperfect system which we are now following.

I would refer also to the fallacious assumption that, when cesspools are sunk to water, an "underground stream" has been struck which will relieve the owner of the premises from further trouble. The fact is, the suppositious stream is very frequently, if not generally, the drainage from a neighboring pit into the premises or well of the person who has happened to dig his well slightly deeper; so that the supposed running water is rarely more than a transfer from one pit to another.

Over a quarter of a century since, during the term of the Hon. Thomas Swann, an ordinance was passed creating an unpaid commission consisting of Messrs. Henry Tyson, John Dukehart and J. Moreton Saunders, whose duty was to examine and report upon the question of a proper and adequate system of underground sewerage. The result was a most elaborate and exhaustive treatment of the subject, which showed the profound importance which even then attached to its consideration. But no measures were ever proposed looking to carrying out the excellent suggestions of this commission. Again in 1881 this subject was exhaustively treated by Mr. Charles H. Latrobe, who was appointed under authority from the Mayor and City Council, whose report, now on file, can be re-read with interest and profit.

The acquisition of a large area of new territory, the opening of new streets, and the erection of new build-

ings in all sections of the city, further complicate the situation, and render thoughtful attention to this subject a matter of prime necessity.

The question as to how the sewage shall be collected and disposed of, can only be dealt with intelligently by those whose professional capacity and experience would effectively bar the adoption of any ill advised attempt to meet the requirement, and avoid an unwise disposition of what must necessarily be a large amount of the public funds.

I recommend that there be appointed by the Mayor, with the advice and consent of the Council, a competent honorary commission of three citizens, whose duty it shall be to reinvestigate the subject from its present standpoint, in the light of the now more emphatic demand which urges attention in this respect, and report such comprehensive plan as may appear to be proper, together with an approximate idea of the total cost. This commission, so appointed, should have the power to appoint such civil engineers, of eminent ability, as they may deem necessary, whose duty would be to investigate the subject from a scientific standpoint, and report to the commission, who could embody the same in its own report with recommendations for the undertaking of a comprehensive system of sewerage for the whole city. The compensation of said engineers to be adjusted with the advice and written consent of the Mayor.

This subject is now a matter of earnest and thoughtful consideration upon the part of the authorities of many of the leading cities of this country. Boston, and the State of Massachusetts, have expended, or are expending, a sum equal to about twelve million dollars in bringing the suburbs of that city into a system which discharges sewage into the bay where the reflex action of the tides cannot effect its return. Providence, R. I., has expended five or six million dollars on a system which disposes of sewage by chemical process. Brooklyn, N. Y., Newark, N. J., Hoboken, N. Y., Cleveland, O., Duluth, Minn., Rochester, Chicago, Memphis and other prominent cities, are earnestly considering plans to enable them to deal with so important a matter. Baltimore cannot afford to postpone the adoption of some measures of relief much longer; we have been fortunate in escaping epidemics it is true, but it will be unwise to presume too largely upon that fact.

The cost of such a general system of sewerage cannot be stated with any degree of correctness, but it is believed that a reasonable charge to householders, each owner of premises being compelled to have the same drained into the sewer, would practically relieve the city of any interest charge upon the outlay even of a very large sum. At the same time, no burden would be imposed upon the citizens in view of the fact that the charge for connection with the sewer, would perhaps be a less sum than is now annually paid for the cleaning of cesspools.

With the earnest conviction that there is no subject requiring more thoughtful consideration, upon the part of the Council, I trust these suggestions may appear practical and deserving of the attention of your Honorable Body.

GENERAL SUPERINTENDENT OF LAMPS AND INSPECTOR AND SEALER OF GAS METERS.

The Inspector has submitted the twelfth annual report of his department, showing the receipts and disbursements for the past year.

The City now uses 5,301 gas lamps, 718 gasoline lamps, and 749 electric lamps will be in use, upon the erection of 82 additional, which have been authorized. This applies to the first twenty wards. In the 21st and 22d Wards there are 441 gas lamps, 554 gasoline lamps, and 8 electric lamps have been ordered by the Council and should soon be in service.

The Inspector refers to complaints as to the time of lighting the lamps, and emphasizes the necessity of an addition to the present force of lamplighters, to which reference is made in another section of this message.

He also refers to the complaint made by citizens of the 21st and 22d Wards, that too much reliance is placed upon the somewhat variable and uncertain quality of moonlight to enable them to pursue the paths of business or pleasure after nightfall. I suggest that we afford the people of that section the same facilities in this respect which others enjoy.

A serious annoyance to which this department is subjected, is the liberty which is assumed by many persons in placing telegraph, telephone and electric light poles in such close proximity to City lamps as to very materially obstruct the light, and it is desirable that authority be conferred to prevent that which is growing to be a nuisance.

The constant growth of the City and the increasing duties of the Superintendent in supervising an ever enlarging territory, have made it necessary to provide additional clerical force to enable him to better discharge his important duties, and I request that his suggestion as to the appointment of an additional clerk be regarded favorably.

CITY LAMPLIGHTERS.

Notwithstanding the large number of electric lights which have been, and are being erected, the present number of lamplighters is insufficient to do the lighting in such manner as to obviate the cause of numerous, and quite reasonable complaints, which have been lodged with the executive officers.

The extension of the City, with the improvements which naturally follow, increases the duties of the lamplighter, and makes it impossible to avoid lighting some lamps too soon, and others too late.

In the Annex, on some of the beats, although horses are used, the time required to perform the duty of

lighting is about two hours, and unless start is made before light is needed, part of the City is left in darkness just at the time when accidents are most likely to occur.

The Inspector also informs me that within the old boundaries it requires no less than an hour and forty-five minutes to perform the duties of *some* of the lamplighters, the present number of which was arranged by ordinance in 1882—about eight years since.

It is not without regret that recommendations are made looking to the creation of additional offices, but as the interest of the City appears to require it, this subject is placed before you for such attention as you deem proper.

GAS AND ELECTRIC LIGHTS.

Provision was made during 1890, by direct taxation, to pay for gas and electric lights—

In City proper	$235,000.00
In 21st and 22d Wards	4,000.00
Total	$239,000.00

And by way of comparison with former years, the following statement is submitted, showing amounts paid in the City proper:

Year.	Gas.	Electric Light.	Total.
1884	$135,667.98	$ 63,216.30	$198,884.28
1885	120,543.42	78,575.00	199,118.42
1886	70,993.80	110,457.20	181,451.00
1887	80,440.30	107,087.80	187,528.10
1888	124,963.92	103,222.00	228,185.92
1889	124,181.59	98,352.10	222,533.69
1890	122,130.59	85,280.12	207,410.71

The total cost of light in the Annex during 1890 was $5,999.00, making the total for the year $213,409.71, which was the cost of street lighting only.

To the amount expended each year must be added the salaries of the City lamplighters, for which $46,-514.00 was required during 1890. These figures are sufficient to emphasize the importance of the adoption of some measure which will divert the profits derived from a large and growing business into the City Treasury.

The cost of gas remains at $1.25 per thousand feet, and the City, while the largest customer of the company, has been unable to obtain any concessions in price. Under these circumstances the question which is most prominently before us, is as to the advisability of erecting our own plant and lighting the streets, lanes and alleys without the services of an intermediate corporation.

The cost of lighting and salaries, as shown in 1890, was $259,923.71; and estimating a thoroughly equipped elec-

tric light plant to cost $2,000,000.00 (a liberal estimate), the annual interest charge would be, say.. $ 70,000.00
Expenses—salaries, cost of maintenance, (estimated) 100,000.00

Total $170,000.00

Which would result in a saving to the City, at present, of about $90,000 per annum, to say nothing of the constant erection of additional lights which are necessitated by extension of territory and the opening of new streets.

In the government of municipal corporations there is, of course, danger that the usefulness of a department may be impaired by the introduction of political, rather than business methods, but this City has abundant precedent for the expectation that an able and efficient board can be secured, whose management would be characterized by faithful devotion to the public interests, and be entirely free from any reasonable criticism of having allowed their political convictions to interfere with their duty.

Upon thoughtful consideration of the facts presented, and in view of the large amount which may be saved in this department, it is believed that the majority of our citizens will agree as to the advisability of securing the passage of an enabling act which will empower the City to borrow a sum sufficient to thoroughly equip an electric light plant, the wires to be laid in underground conduits, looking to the ultimate passage of a

law which will require the removal of the numerous and constantly increasing number of poles and wires which are a source of permanent danger, and most annoying inconvenience in case of fire, as well as an offence to the eye which regards, at its true worth, the material beauty of the City.

GAS AND ILLUMINATING OILS.

The Inspector reports that there has been a continual improvement in the quality of refined petroleum sold in this City, as evidenced by the fact that since his last annual report, only five per cent. of the samples inspected were as low as the legal standard, 120 degrees Fahrenheit, the range having been from 121 degrees to 140 degrees, and in consequence only nine accidents occurred as against twenty-eight during the previous year.

Such accidents have resulted largely from gross carelessness in having hanging lamps insecurely fastened, or from defective burners, but in no case was any injury of a personal nature sustained, and the loss of property would be covered by the sum of one hundred dollars.

The last Council very promptly acted upon recommendations made, and amended the ordinance under which, theretofore, the department had labored at a disadvantage, because the quantity of oil to be allowed for testing was not clearly defined.

For a number of years the City encountered very systematic and determined opposition in efforts to enforce the law requiring licenses for the sale of oil in small quantities, but the courts have declared the ordinances to be valid, and a comparison of results during the past year with those of former years, when no law existed, is sufficient to convince any one that the legislation, prompted by wisdom and prudence, has afforded great protection to the lives and property of our citizens.

The Inspector is occasionally called upon to have made repairs to instruments used in making tests, which get out of order, and for this purpose and other incidental expenses, he asks a small appropriation of twenty-five dollars, which seems to be proper to be allowed.

FIRE DEPARTMENT.

The Commissioners present an interesting report of the operations of this important department during the past year.

The aggregate losses in 1890 were $346,529.97, not including the loss which occurred at the Masonic Temple, same not having been adjusted. The losses for the same period of 1889 were $477,329.07.

The appropriation for 1890 was	$242,833.39
Amount expended	238,904.52
Balance unexpended	$3,928.87

Amount of special appropriation during the year 1890 was $22,990.00, besides the amount of $35,000 for the construction of a fire-boat for the harbor, and $32,035.82 appropriation in 21st and 22d Wards, making total for the year 1890 $332,859.21.

Comparison with other cities shows cost of Fire Department in

Boston	$813,000
St. Louis	474,000
Cincinnati	412,400
Buffalo	325,269

The efficiency of the department has been greatly enhanced during the past year by the organization of No. 15 Engine Company, located on Lombard street, in a section of great and growing importance. This company is full paid, and the constant attendance of each of its members in this central location very greatly minimizes the danger from fire.

For the better protection of property in the central sections of the city, it is, I think, my duty to recommend that the following Engine Companies be made full paid :

No. 1, Paca street, near Lexington.

No. 2, Barre street, near Howard.

No. 3, Lombard street, near Exeter.

No. 4, City Hall.

No. 5, Ann street, near Gough.

No. 6, Gay and Ensor streets.

No. 7, Druid Hill avenue and Eutaw street.

And also the following Hook and Ladder Companies :

No. 1, Harrison street, near Baltimore.

No. 2, Paca street, near Lexington.

And if authority be granted to add one permanent member each to Engine Companies 8, 10, 11, 13, and to Hook and Ladder Companies 3, 4, 5, 6, much greater protection will be afforded.

The changes thus suggested will cost less than $25,000 per annum, and it is believed that the present needs of the city will be fully served thereby.

There is apparently no necessity for full paid companies in outlying districts, where fires are of exceedingly rare occurrence, and it is the part of wisdom to defer immediate action, with regard thereto, save to add to such companies the one additional member which I have suggested.

Eventually, when the growth of the city requires it, the number of full paid companies may well be increased, but it hardly appears necessary to anticipate that time.

The report shows that the appliances of the department are in first-class condition, the discipline is good,

and the citizens have just reason to be proud of the record which has been made by the members of the various companies who bravely risk their lives in the duty of protecting property from destruction.

FIRE BOAT.

It is a matter for congratulation that the recommendation made to the last Council was favorably considered, and that the Fire Boat is now an assured thing.

The protection so long needed to valuable property binding upon the harbor, as well as the shipping, will be afforded, so soon as the boat is completed, and fully equipped by a full paid company, for which purpose the necessary appropriation will have to be made now.

PUBLIC SCHOOLS.

No subject appeals more closely to the best interests of an enlightened community than popular education, and no greater element of strength can exist in organized society.

The people demand, and very properly demand, enlarged facilities for the acquirement of knowledge, and willingly contribute to that end, and it is an undeniable fact that the matter of education is the last subject upon which economy should be practiced.

The School Board is in the habit of asking for an appropriation of the exact amount needed to successfully maintain the schools; the figures are arrived at

after careful estimates have been made by those whose long familiarity with the subject enables them to approximate, with remarkable correctness, the amount of money required, and I respectfully urge that the appropriation of $958,000 be granted for 1891, so that if scholars knock at the doors of the schools this year, they may not be turned away with the humiliating confession that the means appropriated have been exhausted.

At any rate, in the event of such a disgraceful contingency, let the responsibility rest where it will belong, and this will be the case if the School Board receives the sum which is now stated to be actually needed.

The following statistics have been submitted by the President of the Board, Hon. John T. Morris:

There were 147 schools under the charge of the Board of Commissioners, classified as follows:

1	Baltimore City College	422	Pupils.
2	Female High Schools	837	"
1	Manual Training School	428	"
39	Grammar Schools	12,262	"
63	Primary Schools	19,738	"
5	English-German Schools	5,122	"
18	Colored Schools	6,888	"
18	Annex Schools	5,202	"

There were 50,899 pupils on roll at the close of the year and 1,244 teachers, two of whom are teachers of music, and eight of drawing. The average daily attendance was 41,603, and the whole number in the schools during the year was 65,758.

The average percentage of attendance was 87, ranging from 93 in the female high schools to 78 in the colored schools. The attendance of teachers and pupils compares favorably with the public schools of other cities.

During the year, the increase in the number of enrolled pupils has been 2,049, and in average attendance 1,589, over the previous year, whilst the increase in the whole number in attendance has been 2,213; increase in number of teachers, 57.

The above attendance is exclusively in day schools. No appropriation was made for the expenses of evening schools, and therefore none were opened during the year.

The number of *non-resident* pupils attending the schools was 147, being five more than during the previous year, and the amount received from them for tuition and books was $3,282.80. The attendance of this class of pupils has been much less than previous to annexation of that part of Baltimore county, in which many of them resided.

The average annual salary of the teachers was $570, and the per capita cost of pupils was $17.83, both of which are much less than in the public schools of other cities.

Financial Statement.

The amount appropriated by the City for the current expenses of the schools, exclusive of those in the Annex, was		$832,000.00
Amount expended by the Board		831,979.55
Balance to credit of these schools		$ 20.45
Appropriation for Annex schools	$ 75,000.00	
Amount from intestates' estates applied to this account by order of the Board	731.60	
	$ 75,731.60	
Amount expended for Annex schools	75,731.56	
Balance to credit of Annex schools		$ .04

Receipts.

The total receipts for current expenses were as follows :

City Collector, taxes	$656,125.07
State Treasurer, taxes	182,619.24
Non-resident pupils, tuition and use of books	3,282.80
Intestates' estates	731.60
John F. Plummer, interest on legacy	128.05
	$842,886.76

The amount received from the City Collector was $56,838.18, and from the State Treasurer was $20,477.15, more than during the previous year.

During the year 1890, the amount paid by the City to the State, for general support of the public schools in the State.....	$324,630.34
Amount received by the City from the State as its proportion of the taxes collected by the Treasurer, for use of public schools.	182,619.24
Excess paid by the City for support of schools in the counties.....	$142,011.10

During the past six years, from 1885 to 1890, inclusive, the City has paid the sum of $743,821.00 more than it has received as its proportion of this school tax, collected throughout the State. The money thus collected from our citizens is applied to a good object, and aids in the general diffusion of valuable knowledge throughout the State, but this fact can hardly be accepted as a justification of the great inequality of the distribution, which is unjust to our City.

Expenditures.

The amount paid by the Board for *current expenses* of all the schools, including those in the Annex, was $907,711.11, and by the Inspector of Buildings, for new houses and repair of old buildings, was $250,336.70.

The items of expenditure by the Board were as follows:

Salaries of teachers and officers	$733,611.15
Rent and ground rent	39,284.65
Books and stationery	47,743.79
Heating apparatus and repairs	9,340.47
Furniture	21,536.73
Fuel	27,058.52
Repairs and cleaning	10,021.21
Painting, supplies and incidentals	19,114.59
	$907,711.11

Of this amount, the payments on account of White Schools were $808,587.47, and on account of Colored Schools $99,123.64.

The expenditures by the Inspector of Buildings were as follows on account of new school houses:

Manual Training School	$ 12,769.32
English-German School No. 5	24,389.77
Grammar School No. 8	14,338.25
Grammar School No. 20	24,666.63
Primary School No. 13	13,096.87
Primary School No. 24	16,277.35
Primary School No 31	20,445.92
Primary School No. 32	21,000.00
Primary School No. 33	20,953.80
Total amount in old limits	$167,937.91

Amount brought forward		$167,937.91
For Annex School No. 4	$20,517.85	
For Annex School No. 13	13,589.87	
For Annex School No. 34	17,957.47	
		52,065.19
Total for new houses		$220,003.10
For general repairs of old buildings	$ 9,000.00	
For wood ceilings	2,000.00	
For painting houses	4,000.00	
For cleaning sinks	1,058.38	
For sanitary improvements	1,500.00	
For remodeling Primary School No. 20	7,400.00	
For inclosing Eastern Female High School lot	2,175.22	
For glazing after hail storm	1,200.00	
For repairs to Annex Schools	2,000.00	
		30,333.60
Total amount by Inspector of Buildings		$250,336.70

The amount appropriated to the Inspector of Buildings has been judiciously expended by him in the repairs of old buildings, which require constant attention.

During the past year twelve new school houses have been completed, and are now occupied, but there are still a number of schools ocupying rented buildings,

and the teachers and scholars suffer annoyances which others have escaped by transfer to new buildings erected and owned by the City.

There are urgent needs in several sections of the City which are yet to be met by the building of new school houses, to which your attention will be called during the present session.

The $400,000 provided in the Five Million Loan for the purpose of erecting new school-houses has been very nearly exhausted, and while the buildings which have been erected are vast improvements over those formerly occupied, the main consideration of additional room for the ever-increasing number of scholars, has been ignored, and it is a fact that, after this large expenditure, our accommodations are not materially increased.

The proper plan to be followed in future would be to build houses large enough to accommodate the natural annual increase of scholars, and not merely to transfer a school from an old to a new building of about the same size.

The Board will ask for an appropriation for the purpose of making most desirable changes in the Western Female High School. The present building is no longer suitable for the purpose; the erection of lofty structures on several sides of it permanently obstructs the light; and the Council may well consider the question of an addition to the present building or the erection of an entirely new one.

The Superintendent of Instruction reports satisfactory progress in the several departments, and the annual increase in numbers demonstrates that the popularity of the schools is growing each year.

I would suggest for the consideration of your Honorable Body a change in the method of appointing teachers in the schools, so as to relieve the members of the Board of the frequently unjust criticism of showing favoritism in nominations, and also save each Commissioner the endless annoyance of being importuned continually to champion the cause of certain persons desiring appointment in some one of the schools. Each applicant for position should appear before a committee of examination and have the question of competency settled first, and then he or she might be named upon a list of eligibles, and as teachers are required in the various schools, they should be appointed in the order the name occurs on such list.

The adoption of some such plan would greatly promote the happiness of the majority of the Board, and be advantageous to the system.

PUBLIC PARKS.

The extinguishment of a considerable amount of the original loans, for the purposes of purchase and improvement of Public Parks, and the consequent reduction of the annual drain upon the fund for interest, places it within our power to do that for which neces-

sity has long existed in the matter of placing all expenses of the Parks and Squares under the supervision of the Public Park Commission.

Thus we may avoid having to entirely provide for maintenance of a large number of these places in the general levy. The funds over which the Park Board have control will not be sufficient for this purpose, of course, and whatever deficiency may arise must be provided for by the Council.

There never has been sufficient funds at the disposal of the Board to maintain Druid Hill and Patterson Parks as they should be; the amount has been barely enough to meet the most absolutely necessary demands, and it would be well if the situation would allow these two Parks to have the whole benefit of the increased revenue.

But this is not advisable now, and it appears to be the part of wisdom to wait until the rate of taxation is lower and the City's revenues are greater.

Therefore it would be well to begin, at once, what ought to be the permanent policy, and that is to meet expenses of Public Squares out of this fund, and, for the time being, keep the Parks down to their present narrow limits.

As already intimated the park tax will not be sufficient to meet all these charges, and there will be a deficiency, but a start ought to be made.

It is not intended to dispense with the services of the several Commissioners of Squares, who are biennially appointed, and who have performed so efficiently the duties assigned to them, but the ordinance I have caused to be prepared simply provides that such officers shall apply to the Park Board for funds to maintain their several squares instead of making such application to the Ways and Means Committee, and thence to the Council, as heretofore.

The report of the Public Park Commission contains most interesting details of a large amount of work done during the past year, and is well worthy of being carefully read.

I will quote from the message to the Council last year, that "Any future development of our park system should not look to the increase of the size of the present parks, but to adding to the number of small parks and squares in the thickly built up and squalid portions of the City, where a beautiful green spot will be of vital use to the poor, whose time and means prevent them from using Druid Hill or Patterson Parks."

CARROLL PARK.

Under authority conferred by the last Council the special commission, consisting of the Mayor, Register and Comptroller, very carefully considered the two sites which were offered, for the purpose of establishing a park in southwest Baltimore, and finally concluded that it would be the interest of the City to

purchase the tract of land known as the Southwest Schuetzen Park, containing $16\frac{56}{100}$ acres, for $42,500; and also the additional $1\frac{87}{100}$ acres, which was directed to be purchased, for $2,500; in addition, an agreement was made by virtue of which the City acquired the beds of certain streets binding upon portions of the park, containing about five acres of land.

In view of the fact that the commissioners have thus secured about twenty-four acres of land for the sum of $45,000, it is believed that the public interest has not suffered at their hands.

Provision was made in the $5,000,000 loan for $50,000 for the purchase and improvement of a park in this section, but the ordinance appears to confer authority to expend only $45,000 for Carroll Park, hence it becomes necessary to ask the passage of an additional ordinance authorizing the payment of $5,000 to the Park Board, to be used in the improvement of the newly acquired property, so that it may be useful for the purposes for which it is intended.

I herewith hand such an ordinance, with the request that it be passed.

BOLTON DEPOT PROPERTY.

This property has been leased to the Baltimore Belt Railroad for the purpose of storage pending the construction of its line of road, and said lease will expire in the fall of 1893, up to which time the rental has been paid in advance.

This property cost the City, including various sums of interest paid, on account of carrying the purchase money in the shape of a temporary loan, (now happily extinguished), less the amount received from the Belt Railroad for rent and easement, the sum of $476,759.61.

The question as to the ultimate disposition of this property can, in my judgment, be best settled by the passage of an ordinance directing the Park Board to assume charge of it, upon the expiration of the lease, and proceed to improve and beautify it for park purposes.

This would make a most desirable improvement in a section of the City where it is greatly needed, and where the additions to the taxable basis, consequent thereupon, would be of sufficient magnitude to amply justify, in a short space of time, the apparent sacrifice the City would make in declining to sell it, and run the risk of having it poorly improved.

HARBOR BOARD.

This Board has charge of all matters relating to the Harbor, except the regulation of anchorage grounds, and wharfage, both of which I have heretofore recommended to be transferred to it.

It has also charge of the maintenance of public wharves, and the maintenance and operation of the City boat.

Its operations during 1890, may be briefly summarized as follows: Dredging has been mainly confined to the removal of annual deposits from the Harbor and Middle Branch, Back Basin, Docks, and from Jones' Falls between the Basin and Pratt street bridge.

The total amount excavated and removed during the year, was 258,378 cubic yards, at an average price of $15\frac{308}{1000}$ cents per cubic yard. Expenditures for all purposes on account of Harbor, were $53,368.29.

During the past year, the National Government has provided for the completion to six hundred (600) feet width of the ship channels leading to this port, and the Engineer in charge, Col. Wm. P. Craighill, is prepared to commence work as soon as the season permits.

The matter of the removal of such portion of Foley's wharf (at our Harbor's mouth) as extends beyond the pier head lines, is one claiming immediate attention; action in the matter has been heretofore recommended by the Harbor Board, the Board of Trade, and myself, as well as by my predecessors, and the wharf has been declared a nuisance by resolution of the Mayor and City Council, and I am consulting the City Solicitor as to the best means of effecting its speedy removal.

The construction of a sea-wall at Little Hawkins' Point, to protect the Quarantine Station, has been completed; 670 feet linear of coping were set in cement, 50 cubic yards of masonry built, and 360 tons of loose stone placed in front of wall.

Expenditures on same amounted to $1,495.24.

Repairs to Public Wharves were made as follows: Little Hawkins' Point, Long Dock, City Dock, Hull street, Gay street, Broadway, and South and Bowly's Wharves. Expenditures were $1,820.86.

The City ice-boat was not used for ice breaking during 1890. Fifteen (15) trips were made during the summer, three (3) for various public bodies, and twelve (12) for the Free Summer Excursion Society, carrying 14,785 persons to and from Chesterwood.

This boat was also in use for three (3) days, conveying the general public to and from the war-ship "Baltimore," during her visit to this port.

The expenditures, including painting, awning, docking, repairs, fuel, wages, &c., were $7,467.71.

Recommendations in the report of the Board are made for removal of Foley's Wharf; removing deposits from Jones' Falls, and the printing in a separate pamphlet of all laws relating to Harbor, Docks, Wharves and Harbor Masters.

The Harbor Masters' report of collections for the year are as follows, and by way of comparison the figures for the year 1889 are also given:

	1st Dist.	2d Dist.	3d Dist.	4th Dist.	5th Dist.
1889	$755.85	$2,652.75	$4,335.52	$5,674.27	$11,874.25
	Aggregate				$25,292.64
1890	651.65	2,576.85	3,133.83	5,613.59	16,812.52
	Aggregate				$28,788.44
Total collections from January 1st, 1890, to December 1st, 1890					$28,788.44
Less amount paid to Harbor Masters				$5,757.65	
Less amount paid for boatmen's salaries				1,200.00	
Less amount paid for rent and incidental expenses				462.80	
					7,420.45
Net revenue to City					$21,367.99

CITY LIBRARIAN.

This department is charged with the duty of supplying stationery, books, &c., which are needed in the transaction of the business of the various departments of the City Government, and also performs the important duty of classifying and filing away valuable documents, records and papers, so that access may be readily had thereto. It is but just to the former Librarian to say that in view of the increasing magnitude of the work to be done, his force was too limited, and this same condition now exists, and to promote efficiency, and bring order out of chaos, it is deemed expedient to ask that some additional clerical force be authorized

to be employed, in order that the ordinances may be complied with by having important papers, which have accumulated for years, properly arranged and recorded.

Many of the most valuable records and archives of the City, possessing great historical value, are deposited with this department, and every safeguard which can be provided should be thrown around such, to preserve them for the use of future generations.

An interesting list of some of the most valuable of these papers is embodied in the Librarian's report.

It is the duty of the Librarian to annually advertise for proposals to furnish the stationery and printing needed by the several departments, and in my message to the Council in January, 1890, full reference was made to the disadvantage under which the City is placed in efforts to secure fair bids under the present system; and an ordinance was then submitted to correct objectionable features and permit us to ask for bids in a manner less open to the criticism of being unbusiness-like, and affording less opportunity to dealers to charge the City one-eighth of the cost of some articles, of which few might be used, and an exorbitant price for others of which the City might need a large quantity.

The United States Government and other large corporations ask for bids upon each article needed, and adopt the common-sense plan of selecting the lowest bidder upon each, to whom to award the contract. The

assertion has been made that under our system the City buys cheaper, and I grant that a very material saving has been effected, over former years, when we had no contract at all, and each department purchased goods in the open market at its pleasure, and from whoever may have been most acceptable to it. But when the statement is made that last year the price paid for Carter's ink was one dollar per dozen (factory price $6.00, less three per cent. cash discount), and several other articles in the same ridiculous proportion, the one of two conclusions must be reached: either the loss incurred in this sale must be put in some obscure place, out of the range of vision, or the source of supply is eleemosynary in the superlative degree.

In either case the City had best know where she stands, and so frame her laws as to enable purchases to be made in accordance with the methods adopted in any well-conducted mercantile establishment.

This matter has been exhaustively treated by the Librarian, and I earnestly urge the Council to carefully consider the question and pass the ordinance heretofore submitted to its attention, and which is again embodied in his report.

There was returned to the City Treasury, as unexpended balance, $602.82 out of the $7,500 appropriation received from the last Council.

NEW COURT HOUSE.

In my first message to the Councils, reference was had to the imperative necessity for making provision for decent accommodations for our various courts—since that time it has been quite clearly demonstrated that further consideration of the subject would be not only appropriate, but an exhibition of proper deference to the expressed opinion of a large number of influential citizens and taxpayers.

It has been urged that the present buildings are too antique to justify the expenditure of even the comparatively small sum needed to put them in condition for temporarily meeting the requirements of the courts, and that an entirely new building is desirable, to be modelled with regard to present and future needs, in conformity with modern architecture and, as well, in keeping with the commercial importance of our City.

After mature reflection, I am frank to say that the expenditure of any large sum of money, for the purpose of such temporary relief only, as will be experienced, appears to me to be worthy of the most careful deliberation on the part of your Honorable Body.

It is obvious that the time is not far distant when the present cumbrous and unsightly buildings must give way to another structure suited to the purposes, and having some regard to architectural beauty.

If it is the sense of the majority of our citizens that these improvements shall be made, little can be done

pending the time when the Legislature will consider the propriety of conferring the necessary authority to condemn property, and create a loan of the amount of money needed.

Further, it will be the part of wisdom in all future time, to seek to have enabling acts so framed as to make it absolutely impossible to avoid or neglect the obligation to set aside, from each year's levy, a sum sufficient to fully extinguish the proposed loan at maturity.

Reference is made, in another section of this message, to the fact that the heavy incubus of a funded debt can only be avoided, by making common sense provision for the final extinguishment of all obligations when the necessity appears to exist for creating them.

OLD UNITED STATES COURT HOUSE.

By the courtesy of the Hon. William Windom, Secretary of the United States Treasury, the sale of this building has been postponed, pending an application which our representatives in Congress have been requested to make that it be donated to the City of Baltimore.

It is considered reasonable that such request should be made in view of the liberal manner in which our city dealt with the Government when the building of the new Postoffice was proposed.

The condition precedent to such postponement was, that in case the City acquired the property, it would be removed and the lot cleared within a reasonable time, and the question to be determined by your Honorable Body is the selection of a suitable lot upon which to place the building when we shall have acquired it.

WATER DEPARTMENT.

The net revenue from this department for the year 1890—

From water rent, &c., amounted to.....	$665,499.21
From water tax, amounted to.....	52,057.40
Total.....	$717,556.61

By the use of which not only were the current expenses of the department paid, but also the whole interest on $10,100,000 of Water Loans, without increasing the regular tax levy.

This is a reasonably fair argument against the assertion that the City should furnish "free water," because, if these large sums were not so raised, they would necessarily go to swell the tax rate, which comparatively few would be willing to advocate.

TELEGRAPH POLES AND ELECTRIC WIRES.

By the act of the Legislature, Chapter 370, Acts 1890, authority was conferred upon the Mayor and City Council to control the streets, and to exercise the authority of abolishing telegraph poles and place the wires under ground.

It requires no argument to enforce the proposition of the desirability of speedily availing ourselves of the advantages which are thus placed within our reach.

The numerous overhead wires, together with the heavy cables highly charged with electricity, are not only a serious danger to life, but a considerable detriment to the Fire Department, as well as an eyesore.

That they must be removed is apparent, and we may as well now, as any other time give the reasonable notice which the Act requires.

There are no "insurmountable difficulties" in the way of compelling this, unless they exist in the imagination of the various corporations which maintain the wires, and no hardship would be imposed upon them beyond the first cost of putting the wires underground.

Of course, they will seek to avoid this expense as long as the citizens are willing to put up with the already intolerable, and still growing nuisance.

Once have laws passed requiring the removal of poles, and requiring wires to be placed underground, and they can easily be enforced by officials who show determination not to permit corporate interests to override public rights.

I respectfully urge that an ordinance be passed giving authority to the Mayor to clear the streets of such obstructions.

NORTH AVENUE BRIDGE.

The construction of the Belt Railroad will make it necessary for the City authorities to take some early action with regard to the rebuilding of the North Avenue bridge.

The present bridge should be replaced by one of iron, with stone floor, and of such substantial character as will serve the purposes, having regard to such ornamental features as may be consistent with the handsome avenue of which it will form a part.

An ordinance will be submitted later on to meet the requirements of the case.

ENOCH PRATT FREE LIBRARY.

This valuable institution, founded and liberally endowed by our esteemed fellow-citizen, Mr. Enoch Pratt, continues to grow in popularity and usefulness, and to an extent which cannot fail to give satisfaction to the generous donor.

Comparatively few, even of the most public-spirited men, have the courage, accompanied by the ability, to give in such magnificent proportion while they are yet alive, and while we do not disparage the gifts of our testamentary givers, and honor their memories, it is the man who is himself his own almoner that receives, from all, the highest honor.

The fund donated by Mr. Pratt, and held by the Commissioners of Finance, increased during the year

1890 in the sum of $37,380.57, and the whole fund amounted, on December 31, 1890, to $1,089,280.57.

It is believed that by the end of 1892 the fund will yield the $50,000 yearly required, when the necessity for including same in the levy will no longer exist.

The report of Mr. Walter B. McAtee, the Visitor on the part of the City, shows that he has examined the books and accounts of the Trustees, in accordance with the Act of 1882, Chapter 181, and has found the same to be correct.

INDUSTRIAL HOME FOR COLORED GIRLS.

The sum of $1,800 was appropriated to this institution by the City for the past year, and the President, Mr. G. S. Griffith, reports that the growth of the Home has been extraordinary; 367 girls having been committed to its care during the eight years of its existence.

The Managers have sought to make the institution a Home in the best sense, the discipline has been deterrent and reformatory, and the appliance of the restorative agencies of religion and morality, together with careful training in self-supporting industry, and common school education, have wrought marvellous results in directing, into proper channels, lives whose natural environment would lead into vice and crime, with all the consequent baneful influences upon society.

The number of inmates at the close of 1890 was 104, and the buildings are now taxed to the utmost capa-

city, which necessitates some provision for additional room, and the Board asks for additional appropriations this year to enable them to make needed improvements, and to assist in paying off a $6,000 mortgage with which the institution is hampered.

ST. MARY'S INDUSTRIAL SCHOOL.

This school is in a flourishing condition and the managers report most encouraging progress during the past year. Military discipline has been introduced and a battalion of ten companies is now very well drilled.

The greatest improvement made has been in the introduction of Manual Training, in which department 220 boys are already engaged under the supervision of competent and faithful instructors.

HOUSE OF REFORMATION FOR COLORED BOYS.

The President of this excellent institution, Mr. Enoch Pratt, reports a very satisfactory state of affairs during the past year; the healthy condition of the inmates being evidenced by the announcement that very little sickness was reported, and the Board are to be congratulated upon the marked progress in that work of reformation, for which purpose the institution has its existence.

During the year there were committed to the institution 102 boys, and 122 were released and hired out, and the number of inmates remaining November 30th, 1890, was 263.

Special attention is given to the matter of instructing the boys in the useful arts of husbandry, and the products of the farm attached to the institution, have been quite ample for every need.

LIQUOR LICENSE.

The total gross revenue received by the City from licenses during the year 1890 was....	$386,781.20
From which deduct the expenses.....	9,998.28
Net amount received by the City Register.	$376,782.92

($8,260.50 received January 5th, too late to be included in 1890 account.)

The Police Department reports show that the arrests for drunkenness, made during 1890, were 2,020 less than during the preceding year, and that the number of places selling intoxicating drinks had decreased by about 750; the President of the Board informs me that from present indications, the Board is of the opinion that the number of liquor licenses to be granted during 1891 will be less than during 1890, and therefore that the City will derive less revenue from this source during the present year.

He informs me that it is believed that the sum of $345,000 will be a safe estimate for the receipts this year, and that the expenses of the Commission will be about $14,000, exclusive of any legal expenses which may call for additional expenditure.

He adds, "The brewers have not taken out any license this year. A suit is pending against them, and if successful will of course add to the revenue."

It is proper to commend the earnest efforts of this Board to discharge, with promptness and efficiency, the onerous duties which devolved upon it, and to speak of the satisfaction which most of our citizens experience at the results of the License Law.

SPECIAL CONTINGENT FUND.

It not infrequently happens, during a recess of the Council, that contingencies arise requiring the expenditure of comparatively small amounts, either upon the highways or for the protection or preservation of City property. In such cases, although ample funds may be available, the work must either be neglected, or the executive officers must take the responsibility of doing what is necessary, and trust to future sessions of the Council for authority to cancel the obligations which may have been incurred by such action. While no difficulty has hitherto been experienced in securing the appropriations needed, it would be quite agreeable to avoid the embarrassment consequent upon the assumption of authority which may be open to captious objection, and also relieve the awkward situation of apparently hesitating to act with promptness where the interest of the City, or the convenience of citizens required, professedly for want of money, while in fact ample means may be available from funds not designated for other purposes. If it is deemed advisable to consider this

suggestion it would appear proper to place a reasonable sum under the control of the Mayor, Register and Comptroller, with authority to use the same, at their discretion, in cases of absolute necessity occurring during any recess of the Council, with instructions to make full report, to each meeting of the Council succeeding such recess, of any expenditures made in the interim.

CITY HALL—ADDITIONAL ROOM NEEDED.

The public business has now increased to such an extent that additional room must be provided for some of the departments. The most urgent, immediate need, is for the enlargement of the Tax Office, which is much cramped, and very uncomfortable--not only to the employees, but to the general public, and the Council is urged to investigate the subject and authorize the Inspector of Buildings to make such changes as will afford relief.

The Armory in the City Hall is, at present, of no practical use whatever, and the suggestion to have a portion of the room fitted up for the uses of the School Board and its officers, is quite worthy of your consideration; this would not only locate the School Board quite as comfortably, and perhaps more so than now, but it would give the Tax Department about 1,250 additional square feet, if it is allowed to occupy all the space, or about 800 feet, if given the present Board Room and Secretary's office.

Upon inquiry, the information is given that the cost of the change suggested will approximate $9,000, which includes all the items the proposed alteration would render necessary.

Other departments are seriously hampered for want of room, but it is possible to defer action, without prejudice to the public service, except in the case mentioned.

WESTERN MARYLAND RAILROAD.

The indebtedness of this road to the City has now reached the sum of $7,350,856.87, as of December 31, 1890.

While it is a pleasure to express appreciation of the services of the members of the Board of Directors who represent the City's interest, and at the same time indulge the hope that the connections which are understood to be projected by the management will bring its business up to the point where the heavy drain upon the City's treasury will be considerably ameliorated, I frankly say that the prospect does not yet appear to be as encouraging as might be desired; although, the sagacious President, Mr. J. M. Hood, has expressed great confidence in the ultimate success of the road, as the outcome of sound judgment in its management.

I have no disposition to discourage so cheerful an outlook, but I do not think that, in the full maturity of railroad enterprise, it is otherwise than bad judgment for a City to continue to extend its aid, if any other policy can be pursued.

Upon general principles, where an interest has been acquired, it is the part of wisdom to dispose of it whenever a fair and reasonable price can be agreed upon.

CAROUSALS OR FLYING HORSES.

Licenses are granted to these, under Ordinance No. 47, approved April 28, 1888, and I urge its repeal, because no good effects have ever been apparent from it. Indeed the Police Department have informed me that no law was ever passed which was more demoralizing to the youth of both sexes. It simply gives the sanction of law to an unruly crowd to congregate upon an open lot, and by boisterous yelling and laughter make the night hideous, depriving the citizens of needed rest, besides requiring the undivided attention of the police to preserve order.

The difficulty may be remedied by the re-enactment of Section 51, Article XXIII, Baltimore City Code, title "Health," and the repeal of said Ordinance No. 47, of 1888.

MILK INSPECTOR.

The sanitary administration of a City requires that the office of Milk Inspector should be created and filled by a thoroughly competent person.

Individuals are powerless to protect themselves in the purchase of so necessary an article, and the health of the people, in this respect, should be the subject of protection by an official appointment made with strict

regard to proficiency and reliability. Otherwise the evils of adulterated and impure milk will flourish in the same proportion as does the prosperity and greed of unscrupulous vendors.

21st AND 22d WARDS.

In these two wards many of the streets have been very poorly laid out, grades have been neglected and the drainage is consequently very defective, and such objectionable features should be removed now, rather than attempt to do so at some future date when improvements will materially increase the cost of same to the City.

The Act of Annexation requires the expenditure in the Belt of at least as much as the City receives from it. This obligation has been more than met, and still the citizens of that section are denied many conveniences which might be placed within their reach if a liberal policy, and an enlarged comprehension of the future of the whole City, can be brought to bear upon all questions of improvement in that section.

I suggest one of two plans for relief; either apply to the next Legislature for an enabling act to empower the City to levy a special tax for needed improvements, or, ask authority to issue $2,000,000 "Belt Improvement Bonds," the interest and sinking fund to be provided for out of the taxes received from the Belt.

REMOVAL OF PUMP STOCKS.

The Chief Engineer of the Water Department is vested with full authority to remove all pump stocks belonging to the City, and it is only necessary to notify him when any such removal becomes desirable.

By pursuing this plan, the trouble and expense of passing resolutions to such effect may be avoided.

LAW DEPARTMENT.

The reports of this Department show that the interest of the City has been well cared for during the past year.

A large amount of legal business has been transacted, and the results have been such as to demonstrate the absolute faithfulness and ability of the law officers.

No judgments for damages have been recovered against the City, except one in the case of Ferrandini vs. Mayor and City Council, for $2,348.95, which was promptly paid, and the most important case now pending is that of Ulman vs. Mayor and City Council, in the Court of Appeals, where motion has been filed for a rehearing, on behalf of the City.

CONCLUSION.

In conclusion, I am happy to say that it will be my pleasure to cordially co-operate with the members of the Council in any measures which may be suggested for the enhancement of the prosperity of the City, or

which will conduce to the comfort, convenience or pleasure of its people, in so far as the same may be consistent with what may appear to me to be the clear and unobstructed light of duty.

Respectfully submitted,

ROBERT C. DAVIDSON,

Mayor.

ANNUAL REPORTS

OF THE

Register of the City

AND OF THE

COMMISSIONERS OF FINANCE

TO THE

Members of the First & Second Branches

OF THE

CITY COUNCIL OF BALTIMORE,

For the Fiscal Year Ending December 31, 1890.

REPORT

OF

JOHN A. ROBB,

REGISTER OF THE CITY.

Register's Report.

Office of the Register of the City,

Baltimore, January 2, 1891.

To the Honorable the Members of the
First and Second Branches of the City Council:

Gentlemen:

Your Register presents his "account of all moneys received and expended by him during the past year;" a "statement of the estimated receipts and payments required for the coming year;" also, tables showing the funded and guaranteed debt of the City as of December 31, 1890, the productive and interest-bearing securities of the City, the unproductive securities, and the monthly returns of the "Keepers of the Standards of Weights and Measures," the latter required by Ordinance No. 9, of 1881.

The total receipts into the treasury of the City from all sources during the fiscal year ending December 31, 1890, as exhibited in Tables C and D, were.....	$9,346,866 87
To which add cash balance December 31, 1889.....	372,548 12
And the amount to be accounted for will be.	$9,719,414 99

Amount brought forward.....	$9,719,414 99
The gross disbursements, as exhibited in the same tables and for the same period of time amount to.....	$9,590,868 07
Leaving a balance in the treasury of.....	$128,546 92

applicable to the payment of current expenses for the present year.

The following usual statement of the actual receipts and expenses of the City Government, compiled from Table D, separate the income and expenses from those items which are merely receipts and disbursements:

RECEIPTS—INCOME FROM TAXES, INVESTMENTS, &C.

From City Collector, levy of 1890	$3,587,350 03		
" City Collector, levies of previous years.....	1,391,433 96		
		$4,978,783	99
" Magistrates' fines, Jail and removed cases.....		23,031	66
" Public schools, tuition fees and I. F. Plummer.....		3,410	85
" Bayview Asylum, Mt. Hope, Maryland Hospital, etc.....		8,087	65
" Health Department and Streets.....		6,501	34
" Fire Department.....		125	90
" Inspector of Buildings, permits, &c...		8,339	47
Amount carried forward.....		$5,028,280	86

Amount brought forward		$5,028,280 86
From City Commissioner		6,751 38
" Inspector and Sealer of Gas Meters		2,108 50
" Market houses, rents of stalls and halls,		55,231 60
" Wharfage and rents of wharves		28,788 44
" Banks, interest on deposits		14,863 03
" Dog pound		307 97
" General license		65,852 99
" Liquor license		386,781 20
" Sale of old material, 1928 loan		717 53
" Auction duties		7,482 58
" Turnpike dividends		280 90
" Sale of City property		1,796 28
" Telephone conduits, Ches. & Potomac.		1,500 00
" Bolton property		54,000 00
" Aggregate of sundry small items		1,113 25
" City Collector, taxes in arrears for 1888 in 21st and 22d Wards		814 86
" City Collector, taxes in arrears for 1889, in 21st and 22d Wards		39,521 81
" City Collector, taxes for 1890, in 21st and 22d Wards		97,804 96
Total Income		$5,793,998 14
RECEIPTS—Not Income.		
From State of Maryland for public schools		182,619 24
" City passenger railway companies for Park Sinking Fund		24,943 75
" City passenger railway companies for Park Board		164,190 95
Amount carried forward		$6,165,752 08

Amount brought forward	$6,165,752 08
From Park Board, sales of live stock, &c	5,939 42
" Water Board to pay interest on water loans	496,630 00
" Park Board to pay interest on park loans	33,000 47
" Commissioners of Finance	84,470 00
" Tax sales	6,558 90
" Water Board	865,685 38
" Sales of water loan, 1926	200,000 00
" Temporary loans	400,000 00
" Intestate estates for School Board	731 60
" State tax on City loans collected for State of Maryland	16,083 64
" Sale of internal improvement 1928 loan	826,010 00
" Sale of material for opening streets	10,901 81
" City Collector for opening streets and alleys	187,243 76
" City Collector for paving streets and alleys	47,836 56
" City Collector for new numbers	23 25
	$9,346,866 87

DISBURSEMENTS—EXPENSES OF CITY GOVERNMENT.

Interest on stock debt	1,030,619 66
Expenses of the Law Courts	117,170 89
Registration of voters	38,472 34
City Jail	54,526 24
Amount carried forward	$1,240,789 13

Amount brought forward	$1,240,789 13
Magistrates, judgments and suits, fines, coroners and removed cases	40,736 55
Public schools, less amount paid by State of Maryland	649,360 31
City poor	291,970 71
Harbor Commission	51,516 12
Police Department	780,199 03
Department of Street Cleaning	267,961 09
Health Department	79,004 06
Fire Department	279,465 95
Department Inspector of Buildings	70,052 45
Department City Commissioner	149,419 68
General Superintendent of Lamps	227,119 99
City Council, salaries of members and officers, and expenses	56,919 43
General care of court house buildings	10,453 16
Expenses of parks and squares, exclusive of Druid Hill and Patterson Parks	48,253 37
Expenses of markets and market halls	4,962 03
Harbor Masters' commissions for collecting wharfage	7,420 45
Salaries	73,895 54
City Library	6,897 18
Public printing	4,098 42
Discount on taxes and temporary loans	104,696 38
Heating and general care of City Hall	17,525 30
Mayoralty, Contingent Fund	1,622 06
Amount carried forward	$4,464,338 39

Amount brought forward	$4,464,338 39
Lamplighters	46,514 00
Special appropriations	11,366 38
Ground rents on City property	3,469 84
Salaries and expenses of City Collector's Department	52,595 70
Election expenses	18,515 80
Dog Pound expenses	2,189 25
Supervisors of Elections	7,336 52
Liquor License Commission	9,998 28
Maryland Institute	6,000 00
General license	1,716 61
Refunded taxes	3,802 17
Enoch Pratt Free Library	50,000 00
Iceboat Annapolis	10,000 00
State tax on City loans	12,825 64
Insurance on Bay View Asylum	1,280 00
Purchase of ground for Engine House No. 16.	3,400 00
Baltimore Light Infantry	2,000 00
Expenditures in 21st and 22nd Wards	190,836 33
General expenses	1,259 66
Aggregate of small charges	2,748 75
City's proportion for opening and closing streets	180,393 49
Water 1926 Sinking Fund	12,488 66
Internal Improvement 1928 Sinking Fund	12,488 66
Total expenses	$5,107,564 13

Amount brought forward	$5,107,564 13

DISBURSEMENTS—NOT EXPENSES.

Opening and closing streets and alleys	$ 109,134 97
Paving streets and alleys	84,268 18
City Passenger Railway Companies for Park Sinking Fund	24,943 75
Improvement of Jones' Falls	9,975 92
Improvement of Harford Run	2,005 23
Druid Hill and Patterson Parks	127,305 35
Water Board to pay interest on water loans	496,630 00
Park Board to pay interest on park loans	33,000 47
Commissioners of Finance to pay interest on loan	84,470 00
Tax sales	5,527 90
Water Board	909,561 22
Water Loan of 1926	200,000 00
Temporary Loans	1,165,000 00
Intestate estates	731 60
State tax on City Loans	16,083 64
Internal Improvement 1928 Loan, premium	26,010 00
Internal Improvement 1928 Loan for purchasing lots and building school-houses	241,511 85
Internal Improvement 1928 Loan for bridges	171,084 20
Internal Improvement 1928 Loan for sewers	285,788 23
Internal Improvement 1928 Loan for Patterson Park extension	54,593 11
Internal Improvement 1928 Loan for paving streets and markets	48,673 16
Amount carried forward	$9,203,862 91

Amount brought forward	$9,203,862 91
Internal Improvement 1928 Loan for widening Fayette street	100 90
Internal Improvement 1928 Loan for widening East Baltimore street	1,566 45
Internal Improvement 1928 Loan for opening Douglass street	158,217 97
Internal Improvement 1928 Loan for purchase of Carroll Park	44,500 00
Public schools from State of Maryland	182,619 84
	$9,590,868 07

ESTIMATES FOR THE CURRENT YEAR.

Table B presents the estimated requirements for the current year in detail for the twenty Wards of the City at	$4,876,867 90
And for the 21st and 22d Wards	154,527 69
Total	$5,031,395 59
From this amount deduct the estimated receipts, as set forth in detail in Statement C	$2,167,900 00
Leaving the amount to be levied for	$2,863,495 59

Less by the sum of $1,026,561.28 than the estimates from this department for the last year 1890.

FUNDED AND GUARANTEED DEBT.

The funded and guaranteed debt as of December 31, 1890, as per statement A, was...$31,083,787 06
December 31, 1889, it was..... 37,730,107 70
a decrease of $6,646,320.64, which is thus explained:

The Commissioners of Finance began the redemption of the Five Million Loan to the Baltimore & Ohio Railroad Company on the second day of January, 1890, and had redeemed to December 31, 1890, $4,964,460.66, leaving at that date $35,560.89 outstanding; and on the first day of July the redemption of part of the 6 per cent. Consolidated Loan of 1890, $7,306,546.22 of which part, amounting to $2,306,546.22, there was redeemed at the close of the fiscal year $2,151,762.65, leaving outstanding $154,783.57. The balance of this loan (the Consolidated), $5,000,000, was renewed for forty years at 3½ per cent. interest per annum. On September 1, of this year, the Commissioners of Finance also commenced the redemption of the Public Park 6 per cent. Loan, amounting to $555,566.25, and at the end of the year had redeemed $526,066.25, leaving $29,500.00 outstanding. Of the several past due loans, $4,031.08 was redeemed during the year. $200,000.00 of the 4 per cent. Water Stock, authorized by Ordinance No. 82, of 1888, was issued to the Commissioners of Finance at par, and $800,000.00 of Internal Improvement 1928 3½ per cent. Loan, authorized by Ordinance 98, of 1888, was issued and sold at a premium of $26,010.00.

The holdings of the City in the stock of the Baltimore & Ohio R. R. Co., 32,500 shares, was sold by the Commissioners of Finance June 28th, 1890, at par.

I respectfully refer you to the report of the Commissioners of Finance for the conditions of the various sinking funds under their charge and belonging to the city, and also to the accompanying tables.

Table A is a statement of the public debt of the city.

Table B is an estimate of requirements for the current fiscal year.

Table C is an estimate of receipts for the current fiscal year.

Table D is a detailed statement of the receipts and disbursements, and showing the appropriations for the various accounts.

Table E shows the aggregate monthly receipts and disbursements.

Table F shows the monthly returns from the "keepers of the standards of weights and measures."

Respectfully submitted,

JOHN A. ROBB,

Register of the City.

STATEMENT A.

Statement of the Funded Debt, December 31, 1890.

Loan.	Rate.	When Redeemable.	Amount.
Exempt	6 per cent.	At pleasure after Sept. 1, 1893	$410,353 87
Water	6 "	" " July 1, 1894.	263,000 00
"	5 "	" " July 1, 1894.	3,737,000 00
"	5 "	" " July 1, 1916.	5,000,000 00
"	4 "	" " Nov. 1, 1922.	500,000 00
"	4 "	" " Nov. 1, 1926.	800,000 00
Funding	6 "	" " July 1, 1900.	800,000 00
"	5 "	" " July 1, 1916.	1,000,000 00
Harford Run Imp'mt.	4 "	" " Jan. 1, 1920.	250,000 00
Paving	4 "	" " Nov. 1, 1920.	500,000 00
Consolidated	3½ "	" " July 1, 1930.	5,000,000 00
"	6 "	September 1, 1893	2,211,068 05
Park Improvement	6 "	January 1, 1895	185,723 80
Jones' Falls	6 "	April 9, 1900	800,000 00
"	5 "	" 9, 1900	957,000 00
"	3-65 "	" 9, 1900	455,000 00
"	3½ "	" 9, 1900	160,000 00
"	3 "	" 9, 1900	100,000 00
City Hall	6 "	" 15, 1900	1,000,000 00
"	6 "	March 7, 1902	500,000 00
W. Md. Railroad	6 "	January 1, 1902	1,000,000 00
" "	4 "	July 1, 1925	684,000 00
" "	3½ "	January 1, 1927	1,704,000 00
Internal Improvm'nt.	3½ "	July 1, 1928	1,300,000 00
Harford Run Sewer	4 "	November 3, 1904	350,000 00
Patterson Park	4 "	October 1, 1920	200,000 00
Overdue Stock	6 "	No interest allowed	482 00
Water, 1875	6 "	" "	740 00
Consolidated, 1885	5 "	" "	1,844 38
One Million, 1886	6 "	" "	1,730 50
Consolidated, 1890	6 "	" "	154,783 57
Five Million, 1890	6 "	" "	35,560 89
Public Park, 1890	6 "	" "	29,500 00
Total funded debt			$30,091,787 06

Guaranteed Debt:

Endorsement of W. Md. R. R. 3d Mortgage Bonds	$875,000 00	
Endorsement of Union R. R. 1st Mortgage bonds	117,000 00	
		992,000 00
Total funded and guaranteed debt		$31,083,787 06

Amount brought forward		$31,083,787 06
From which deduct—		
Water Loans of 1894, 1916, 1922, and 1926, the interest on which is paid by revenue from water rents	$10,300,000 00	
Patterson Park Extension Loan—Interest paid by Park Board	200,000 00	
Western Maryland R. R. Co. 4 per cent. 1925, and 3½ per cent. 1927 Loans, interest paid by Western Maryland R. R. Co	2,388 000 00	
Union Railroad Company on	117,000 00	
Commissioners of Finance, on Western Maryland R. R. 6 per cent. 1902 Loan	1,000,000 00	
Commissioners of Finance, on Western Maryland R. R. 6 per cent. 3d Mortgage Bonds	875,000 00	
Overdue Stock, no interest allowed	224,641 34	
		$15,104,641 34
Leaving the amount on which interest is paid by taxation		$15,979,145 72

Viz: $5,907,145 72 interest, at 6 per cent.
1,957,000 00 " " 5 "
1,100,000 00 " " 4 "
455,000 00 " " 3.65 "
6,460,000 00 " " 3½ "
100,000 00 " " 3 "

$15,979,145 72

ASSETS OF THE CITY.

Productive.

Mortgage on Union Railroad Company	$ 117,000 00	
Mortgage on Western Maryland Railroad Company	1,704,000 00	
Value of sinking fund	7,303,623 08	
550 shares Baltimore and Reisterstown Turnpike Stock	2,062 50	
137 shares Baltimore and Frederick Turnpike Stock	456 66	
625 shares Baltimore and Yorktown Turnpike Stock	5,000 00	
Real estate, annual rental	$10,225 11	
Wharf property, annual rental	38,000 00	
Market houses, annual rental	50,000 00	
	$98,225 11	
Capitalized at 6 per cent	1,637,085 16	
		$10,769,227 40

Unproductive.

Accrued interest to January 1, 1887, on Western Maryland Railroad 2d Mortgage Guaranteed Bonds		$ 333,000 00	
Third Mortgage on Western Maryland Railroad Company	$ 875,000 00		
Accrued interest to date	1,050,000 00		
		1,925,000 00	
Fourth Mortgage on Western Maryland Railroad Company	$1,000,000 00		
Accrued interest to date	1,110,000 00		
		2,110,000 00	
10,000 shares Valley Railroad of Virginia Stock		1,000,000 00	
83,000 Philadelphia and Reading Railroad 3d Mortgage Preference Income Bonds		83,000 00	
4,000 shares Western Maryland Railroad Stock		200,000 00	
130 shares Baltimore and Havre de Grace Turnpike Stock			
Besides other property, such as—			
Court houses, Record Office, City Hall, Jail, Police Stations, Fire Engine Houses and apparatus, School Houses, Almshouse, Iceboats, Quarantine Station, Public Parks, Squares, &c., valued at		10,000,000 00	
			$15,651,000 00

STATEMENT B.

The following statement exhibits the present liabilities and the estimated expenses of the city to be provided for in the levy for the year 1891:

EXISTING CLAIMS.

Balance due on Jones' Falls Improvement account		$ 605 10
Balance due on Harford Run account		30,435 66
Balance due on Water Board account		30,484 73
Balance due on Park Board account		53,264 65
Paving certificates maturing during the year		6,832 33
		$121,622 47
Cash balance in bank December 31, 1890	$ 128,546 92	
Amount due from Internal Improvement loan	7,266 99	
Amount due from Chesapeake and Potomac Telegraph Co	1,832 60	
Amount due from Liquor License.	8,260 50	
Amount due from Western Maryland R. R. Co.	124,110 00	
	$270,017 01	

Surplus, $148,394 54

Taxes in arrears for 1890 and previous years, City	1,968,826 72	
Taxes in arrears for 1890 and previous years, Annex	53,865 04	
	$2,022,691 76	

Estimated Requirements for the Fiscal Year ending December 31, 1891:

DEPARTMENT OF HEALTH.

Salaries	$ 35,300 00	
General Health	12,000 00	
Nuisances and Sewers	15,000 00	
Quarantine Hospital	18,000 00	
Post Mortems	1,500 00	
Removing filth from docks ..	5,000 00	
		$ 86,800 00

DEPARTMENT OF PUBLIC SCHOOLS.

Salaries of Teachers, &c	$ 685,000 00	
Rents and ground rents	35,000 00	
Books and stationery	45,000 00	
Heating apparatus and its repairs	9,000 00	
Amounts carried forward	$774,000 00	$86,800 00

Amounts brought forward....	$774,000 00	$86,800 00
Furniture	15,000 00	
Fuel.	25,000 00	
Repairs and cleaning.....	9,000 00	
Incidentals, printing, &c.....	12,000 00	
Manual Training School.....	27,000 00	
		$862,000 00

FIRE DEPARTMENT.

Salaries.....	$179,022 00	
Apparatus.....	10,400 00	
Apparatus repairs.....	7,000 00	
Accidents	1,986 71	
Feed.....	10,000 00	
Fuel	3,000 00	
Furniture	1,800 00	
Harness.....	600 00	
Horseshoeing	1,800 00	
Hose and suction sleeves	7,500 00	
Horses.	5,000 00	
Ground rent.....	804 25	
Gas.....	1,500 00	
Oil, grease, &c.....	1,500 00	
Office expenses and salary of Messenger.....	1,000 00	
Rent of telephones.....	700 00	
Miscellaneous	1,800 00	
Washing	1,600 00	
Amounts carried forward....	$237,012 96	$948,800 00

Amounts brought forward...	$237,012 96	$948,800 00
Life insurance.....	2,200 00	
Pensioned firemen.....	5,200 00	
Sick account.....	1,000 00	
Police and fire alarm telegraph.	19,325 00	
Balance for construction of fire and patrol boat.....	17,425 36	
		$282,163 32

DEPARTMENT INSPECTOR OF BUILDINGS.

Repairs of public schoolhouses.	$10,000 00	
Substituting wood or iron for plaster ceilings.....	4,000 00	
Painting school-houses.....	5,000 00	
Cesspools.....	1,200 00	
Incidentals, livery and repairs of wagons.....	700 00	
Salaries	5,500 00	
Repairs to city property.....	21,000 00	
Sanitary improvements	3,000 00	
Extra out-door help.....	1,000 00	
Building No. 25 primary school-house	25,000 00	
Building morgue.....	200 00	
		76,600 00

POLICE DEPARTMENT.

Salaries of officers and men and expenses.....		788,000 00
Amount carried forward.....		$2,095,563 32

Amount brought forward...		$2,095,563 32
ENOCH PRATT FREE LIBRARY.		
Required by ordinance No. 64 of 1883.....		50,000 00
DEPARTMENT GENERAL SUPERINTENDENT OF LAMPS.		
Gas and electric light.....$	251,671 75	
Lamp pillars and lamps.....	16,477 00	
Keep of horse and wagon.....	300 00	
Incidentals.....	100 00	
Deficiency in lamp pillars and lamps account.....	1,253 97	
		269,802 72
DEPARTMENT OF STREET CLEANING.		
136 garbage carts and men at $18 per week.....	$127,296 00	
56 street carts and men at $18 per week.....	52,416 00	
125 sweepers and scrapers at $10 per week.....	65,000 00	
Contract for removal of garbage,	8,500 00	
Salaries.....	9,000 00	
Dumps.....	4,500 00	
Tools and incidentals.....	1,850 00	
Removing snow and ice.....	5,000 00	
		$273,562 00
Amount carried forward.....		$2,688,928 04

Amount brought forward.....		$2,688,928 04
DEPARTMENT CITY COMMISSIONER.		
Repairs of sewers and inlets...	$10,000 00	
Repairs of bridges.....	6,000 00	
Repairs of bridges, deficiency for 1890.....	228 63	
Repairs of paved streets.....	85,000 00	
Repairs of unpaved streets.....	2,000 00	
Flag and stepping stones.....	5,000 00	
Paving and repaving in front of City property.....	1,000 00	
Paving and repaving "cross streets".....	10,000 00	
Salaries.....	9,000 00	
Livery.....	1,000 00	
Incidentals.....	100 00	
Maintenance of floor of St. Paul street bridge.....	946 27	
Maintenance of floor of Biddle street bridge.....	129 84	
City Dock Drawbridge repainting, etc.....	3,400 00	
Calvert St. bridge repainting,&c.	2,500 00	
North St. bridge repainting, &c.	1,000 00	
Light street bridge maintenance, salaries, etc.....	2,500 00	
Light street bridge, deficiency for 1890.....	157 90	
		$139,962 64
Amount carried forward.....		$2,828,890 68

Amount brought forward.....		$2,828,890 68

CITY POOR

Maintenance of Bay View and Insane Departments.....	$ 95,000 00	
New Building for the Insane at Bay View, balance.....	7,156 85	
Equipment for the Insane at Bay View, balance.....	9,900 00	
Transportation of Poor.....	1,000 00	
St. Mary's Industrial School....	20,000 00	
Mount Hope Retreat.....	37,000 00	
Maryland Hospital for the Insane.....	25,000 00	
House of Refuge.....	20,000 00	
House of Reformation.....	10,000 00	
College of Physicians and Surgeon, 75 beds.....	12,675 00	
University of Maryland, 40 beds.	6,760 00	
St. Vincent's Infant Asylum...	5,000 00	
Nursery and Child's Hospital..	3,500 00	
St. Elizabeth's Colored Orphan Asylum.....	2,000 00	
Home of the Friendless.....	2,100 00	
Industrial Home for Colored Girls.....	1,800 00	
Female House of Refuge.....	3,000 00	
Hospital of the Good Samaritans, 10 beds.....	1,690 00	
Amounts carried forward....	$263,581 85	$2,828,890 68

Amounts brought forward...	$263,581 85	$2,828,890 68
Deaf and Dumb at Frederick..	500 00	
Boys' Home Society.....	3,000 00	
St. Mary's Female Orphan Asylum.....	5,000 00	
Baltimore University Hospital, 30 beds.....	5,070 00	
Maryland General Hospital, 45 beds.....	7,605 00	
St. Joseph's House of Industry.	1,000 00	
St. Joseph's Hospital, 10 beds..	1,690 00	
Homeopathic Free Dispensary.	700 00	
North Eastern Free Dispensary.	900 00	
Eastern Free Dispensary.....	1,000 00	
Baltimore General Free Dispensary.....	600 00	
Baltimore Medical College Free Dispensary.....	1,000 00	
North Western Free Dispensary.	400 00	
College of Physicians and Surgeons Dispensary.....	1,000 00	
Woman's and Child's Dispensary.....	500 00	
Baltimore University Dispensary.....	1,000 00	
University of Maryland Dispensary.....	1,000 00	
Polyclenic Dispensary.....	500 00	
		$296,046 85
Amount carried forward.....		$3,124,937 53

Amount brought forward.....		$3,124,937 53

GENERAL EXPENDITURES.

City Council.....$	58,000 00	
General Expense.....	1,500 00	
Masonic Hall, care of.....	4,156 92	
Circuit Court No. 2, care of....	750 00	
Criminal Court, Record Office and ground.....	6,114 00	
Salaries.....	75,069 50	
City Library.....	8,500 00	
Public Printing.....	1,500 00	
Superintendent of City Hall....	17,310 00	
Mayoralty.....	2,000 00	
Lamplighters.....	46,514 00	
Transportation to House of Correction.....	400 00	
City Property.....	4,200 00	
Appeal Tax Court Expenses, &c.	400 00	
Salaries of City Collector's Office and Appeal Tax Court.	55,900 00	
Commissioners for Opening Streets.....	250 00	
Elections.....	15,000 00	
Supervisors of Elections.....	11,050 00	
Dog Pound.....	2,200 00	
Liquor License Commission....	10,000 00	
Maryland Institute.....	6,000 00	
Amounts carried forward....	$326,814 42	$3,124,937 53

Amounts brought forward...	$326,814 42	$3,124,937 53
Inspector of Gas and Oils (Livery).....	300 00	
Winding Maryland Institute Clock.....	75 00	
Ringing Mechanics Bells.....	200 00	
Discount for prompt payment of Taxes.....	90,000 00	
General licenses.....	2,000 00	
Maintenance of Ice Boat Annapolis.....	10,000 00	
Assistance to Examiner of Titles	1,000 00	
State tax on City loans.....	30,000 00	
Insurance of Bay View Asylum	1,280 00	
Rent of Circuit Court No. 2....	900 00	
Purchase of lot for Public School No. 25.....	15,400 00	
Federal Hill Park.....	2,000 00	
Riverside Park.....	4,000 00	
Riverside Park ground rent....	3,770 62	
Mount Royal Avenue terrace...	500 00	
Johnston Square.....	1,500 00	
Collington Square.....	1,600 00	
Harlem Park.....	4,000 00	
Madison Square.....	3,000 00	
Eastern Fountain.....	1,000 00	
Franklin Square.....	1,500 00	
Union Square.....	1,300 00	
Amounts carried forward....	$502,140 04	$3,124,937 53

Amounts brought forward...	$502,140 04	$3,124,937 53
Perkins' Spring Square.....	1,000 00	
Perkins' Spring Square ground rent.....	2,052 00	
Park Place Square.....	500 00	
Lafayette Square.....	1,500 00	
Jackson Square.....	800 00	
Mount Vernon Square.....	900 00	
Broadway Squares, first division	3,000 00	
Broadway Squares, second division.....	4,000 00	
Eutaw Squares, first division..	1,500 00	
Eutaw Squares, second division	1,500 00	
Ashland Square.....	150 00	
Wilkens' Avenue Square.....	2,000 00	
Taney Place Square.....	200 00	
Fulton Avenue Square and Baker Circle.....	4,000 00	
Mt. Royal avenue squares	2,000 00	
Warren avenue plat.....	150 00	
		527,392 04

CERTAIN EXPENSES.

Criminal Court.....	$ 65,000 00	
Baltimore City Court.....	13,000 00	
Court of Common Pleas.....	14,000 00	
Superior Court.....	14,000 00	
Orphans' Court.	7,500 00	
Amounts carried forward....	$113,500 00	$3,652,329 57

Amounts brought forward...	$113,500 00	$3,652,329 57
Circuit Court	2,900 00	
Circuit Court, No. 2.....	2,500 00	
Supreme Bench.....	3,075 00	
Coroners	4,000 00	
Judgment and suits.....	5,000 00	
City Jail.....	60,000 00	
Registration	39,000 00	
Magistrates.....	18,500 00	
Removed cases.....	10,000 00	
		258,475 00

HARBOR BOARDS.

Harbor Board, balance.....	$16,148 06	
Harbor Board, additional for 1891	50,000 00	
Spring Gardens, balance.....	1,115 63	
Iceboat "Latrobe," balance....	2,536 29	
Iceboat "Latrobe," additional for 1891.....	12,463 71	
Repairs of wharves.....	5,000 00	
		87,263 69

INTEREST ON STOCK DEBT.

One year's interest on exempt 6 per cent. 1893 stock.....	$ 24,621 24	
One year's interest on water 6 per cent. 1894 stock.....	15,780 00	
Amounts carried forward....	$40,401 24	$3,998,068 26

Amounts brought forward...	$40,401 24	$3,998,068 26
One year's interest on water 5 per cent. 1894 stock.....	186,850 00	
One year's interest on water 5 per cent. 1916 stock.....	250,000 00	
One year's interest on water 4 per cent. 1922 stock.....	20,000 00	
One year's interest on water 4 per cent. 1926 stock.....	40,000 00	
One year's interest on funding 6 per cent. 1900 stock	48,000 00	
One year's interest on funding 5 per cent. 1916 stock	50,000 00	
One year's interest on Harford Run 4 per cent. 1920 stock...	10,000 00	
One year's interest on paving 4 per cent. 1920 stock.....	20,000 00	
One year's interest on Consolidated 3½ per cent. 1930 stock.	175,000 00	
One year's interest on Consolidated 6 per cent. 1893 stock..	132,664 08	
One year's interest on Park improvement 6 per cent. 1895 stock	11,143 42	
One year's interest on Jones' Falls 6 per cent. 1900 stock..	48,000 00	
One year's interest on Jones' Falls 5 per cent. 1900 stock..	47,850 00	
Amounts carried forward....$1,079,908 74		$3,998,068 26

Amounts brought forward...	$1,079,908 74	$3,998,068 26
One year's interest on Jones' Falls $3\frac{65}{100}$ per cent. 1900 stock.	16,607 50	
One year's interest on Jones' Falls $3\frac{1}{2}$ per cent. 1900 stock.	5,600 00	
One year's interest on Jones' Falls 3 per cent. 1900 stock..	3,000 00	
One year's interest on City Hall 6 per cent. 1900 stock.....	60,000 00	
One year's interest on City Hall 6 per cent. 1902 stock.....	30,000 00	
One year's interest on Western Maryland Railroad 6 per cent. 1902 stock.....	60,000 00	
One year's interest on Western Maryland Railroad 4 per cent. 1925 stock.....	27,360 00	
One year's interest on Western Maryland Railroad $3\frac{1}{4}$ per cent. 1927 stock.....	55,380 00	
One year's interest on internal improvement $3\frac{1}{2}$ per cent. 1928 stock.....	50,750 00	
One year's interest on Harford Run 4 per cent. 1904 stock...	14,000 00	
One year's interest on Patterson Park 4 per cent. 1920 stock..	8,000 00	
Amounts carried forward....	$1,410,606 24	$3,998,068 26

Amounts brought forward...		$1,410,606 24	$3,998,068 26
One year's interest on Western Maryland Railroad 6 per cent. Third Mortgage.....		52,500 00	
		$1,463,106 24	
Less			
Interest paid by Commissioners of Finance.....$	112,500 00		
Interest paid by Water Board...	512,630 00		
Interest paid by Western Maryland R. R. Co..	82,740 00		
Interest paid by Park Board....	2,000 00	$709,870 00	$753,236 24

OPENING AND WIDENING STREETS.

Cooksie street, from Clement to Cuba street.....	$ 288 24	
Patapsco alley, from Ostend to West street.....	7,320 69	
Andre street, from Fort avenue to Marriott street.....	13,398 32	
Pulaski street, from Frederick avenue to Baltimore street...	5,724 02	
Amounts carried forward....	$26,731 27	$4,751,304 50

Amounts brought forward...	$26,731 27	$4,751,304 50
Riggs avenue, from Stricker to Fremont street.....	33,803 09	
Castle alley, from Monument to Eager street.....	23,315 65	
Lovegrove alley, from Adams alley to First street.....	7,072 20	
Beason street, from Andre to Clement street.....	8,094 05	
Closing Belvidere road.....	5,269 21	
Brevard street, from.....	8,816 33	
Donaldson street, balance.....	26 34	
Patapsco " "	715 14	
Covington " "	1,524 00	
Race " "	946 60	
Madison " "	3,491 64	
Johnson " "	747 86	
Scott " "	124 74	
Burke " "	3,740 33	
Nanticoke " "	768 75	
Russell " "	376 20	
		$125,563 40

CITY ANNEX—Comprising the 21st and 22nd Wards.

Health Department Salaries...	$ 3,800 00	
Nuisance and Sewers.....	2,500 00	
Salaries of School Teachers....	76,000 00	
Sundry Expenses of Schools...	20,000 00	
Amounts carried forward....	$102,300 00	$4,876,867 90

Amounts brought forward....	$102,300 00	$4,876,867 90
Gas and Electric Light.....	11,130 75	
Lamp Pillars and Lamps.....	6,044 70	
Keep of Horse and Wagon for Superintendent.....	300 00	
Deficiency in Gas and Electric Light for 1890.....	2,089 24	
11 Garbage Carts and Men at $18 per week.....	10,296 00	
3 Street Carts and Men at $18 per week.....	2,808 00	
6 Sweepers and Scrapers at $10 per week.....	3,120 00	
Salary of Superintendent.....	1,000 00	
Tools.....	60 00	
Salaries for Fire Department..	16,000 00	
Deficiency for 1890, Fire Department.....	482 62	
Apparatus and repairs, Fire Department.....	1,000 00	
Accidents, Fire Department...	100 00	
Feed, Fire Department.....	1,900 00	
Fuel, Fire Department.....	300 00	
Furniture, Fire Department....	250 00	
Harness, Fire Department.....	130 00	
Horse Shoeing, Fire Department.....	354 00	
Hose, Fire Department.....	150 00	
Amounts carried forward....	$159,815 31	$4,876,867 90

Amounts brought forward...	$159,815 31	$4,876,867 90
Horses, Fire Department.....	1,500 00	
Rents, Fire Department.....	848 50	
Gas, Fire Department.....	162 00	
Oils, grease, &c., Fire Department.....	500 00	
Rent of telephone, Fire Department.....	58 75	
Miscellaneous, Fire Department.....	201 00	
Washing, Fire Department.....	175 00	
Life Insurance, Fire Department.....	225 00	
Sick account, Fire Department.	200 00	
Police and fire alarm telegraph.	1,000 00	
Repairs of streets, roads and bridges.....	15,000 00	
Salaries and livery.....	2,432 00	
Repairs of school and engine-houses.....	6,000 00	
Building of No. 13 School House.....	11,410 13	
	$199,527 69	
Less estimated collection of taxes in arrear.....	45,000 00	
		$154,527 69
		$5,031,395 59

STATEMENT C.

Estimated Receipts from Taxes in arrear, and other specified sources of Revenue, for the fiscal year ending December 31, 1891.

Estimated collection of taxes in arrears for the year	$1,480,000 00
State of Maryland for public schools	180,000 00
Fines	4,000 00
Jail visitors	2,500 00
Bayview Asylum	3,000 00
Mount Hope Retreat	2,000 00
Maryland Hospital for the Insane	1,200 00
Sale of refuse from streets	1,600 00
Quarantine Hospital	4,500 00
Vaults and areas	500 00
Inspector and Sealer of Gas Meters	2,500 00
Rent of market stalls—net	51,000 00
Rent of public wharves—net	20,000 00
Dog Pound	300 00
General license	48,000 00
Liquor license	345,000 00
Auction duties	7,000 00
Turnpike dividends	200 00
Chesapeake and Potomac Telephone Co	3,600 00
Permits for signs and sheds	8,000 00
Public School tuition fees and I. F. Plummer	3,000 00
	$2,167,900 00

STATEMENT D.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriations	Received from Collector of Taxes.	Received from Other Sources.
	Dr.	Cr.			
Criminal Court	$61,046 43	$70,000 00	$70,000 00		
Baltimore City Court	12,700 05	12,000 00	12,000 00		
Court of Common Pleas	13,781 45	13,000 00	13,000 00		
Superior Court	13,448 61	13,000 00	13,000 00		
Orphans' Court	7,895 80	7,500 60	7,500 00		
Circuit Court	2,823 55	2,900 00	2,900 00		
Circuit Court No. 2	2,425 00	2,900 00	2,900 00		
Supreme Bench	3,050 00	3,025 00	3,025 00		
Coroners	3,200 00	3,600 00	3,600 00		
Fines	843 85	4,180 35			$4,180 35
Judgments and Suits	8,218 25	5,495 14	5,000 00		495 14
Jail	54,526 24	68,928 48	55,000 00		13,928 48
Registration	38,472 34	38,482 27	38,482 27		
Magistrates	16,510 89	16,000 00	16,000 00		
Removed Cases	11,963 56	14,427 69	10,000 00		4,427 69
Certain Expenses		221,482 63		$221,482 63	
Schools.					
Public Schools	145,034 68	987,195 06	145,039 90	656,125 07	186,030 09
Public Schools, salaries	656,960 10	656,960 10	656,960 10		
Manual Training School	29,984 77	30,000 00	30,000 00		
City Poor		246,943 93		246,943 93	
Bayview	84,694 58	89,177 80	85,000 00		4,177 80
New Building for the Insane at Bayview	27,843 15	35,000 00	35,000 00		
Equipment of New Insane Building at Bayview	100 00	10,000 00	10,000 00		
Transportation of Poor	821 47	1,564 85	1,500 00		64 85

Dispensaries	10,100 00	10,100 00	10,100 00		
St. Mary's Industrial School	20,000 00	20,000 00	20,000 00		
Mt. Hope Retreat	37,000 00	39,270 00	37,000 00		2,270 00
Maryland Hopital for the Insane	24,990 54	26,575 00	25,000 00		1,575 00
House of Refuge	19,964 17	20,000 00	20,000 00		
House of Reformation	10,000 00	10,000 00	10,000 00		
Washington University	10,467 30	11,250 00	11,250 00		
University of Maryland	6,750 00	6,750 00	6,750 00		
St Vincent's Infant Asylum	5,000 00	5,000 00	5,000 00		
Nursery and Child's Hospital	3,486 34	3,500 00	3,500 00		
St Elizabeth's Colored Orphan Asylum	2,000 00	2,000 00	2,000 00		
St. Vincent's Male Orphan Asylum		900 00	900 00		
Home of the Friendless	2,100 00	2,100 00	2,100 00		
Industrial Home for Colored Girls	1,800 00	1,800 00	1,800 00		
Female House of Refuge	3,000 00	3,000 00	3,000 00		
Hospital of the Good Samaritan	912 29	1 545 00	1,545 00		
Deaf and Dumb at Frederick	500 00	500 00	500 00		
Shelter for the Aged Colored Poor	250 00	1,000 00	1,000 00		
Boys' Home Society	3,000 00	3,000 00	3,000 00		
St. Mary's Home for Colored Children	291 66	500 00	500 00		
St. Mary's Female Orphan Asylum	4,583 33	5,000 00	5,000 00		
Baltimore Manual Labor School		1,000 00	1,000 00		
Baltimore University Hospital	3,953 00	4,535 00	4,535 00		
Maryland General Hospital	6,621 11	7,070 00	7,070 00		
St. Joseph's House of Industry	1,000 00	1,000 00	1,000 00		
St. Joseph's Hospital	741 77	1,300 00	1,300 00		
Park Sinking Fund	24,943 75	24,943 75			24,943 75
Harbor Commission	23,851 94	40,000 00	40,000 00		
Steam Launch for Quarantine Hospital	2,000 00	2,000 00	2,000 00		
Dredging Jones' Falls	10,000 00	10,000 00	10,000 00		
Dredging Spring Gardens	4,884 37	6,000 00	6,000 00		
Bulkhead at Little Hawkins Point	1,495 24	1,500 00	1,500 00		
Iceboat F. C. Latrobe	7,463 71	10,000 00	10,000 00		
Amounts carried forward	$1,449,495 29	$2,836,902 05	$1,470,257 27	$1,124,551 63	$242,093 15

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER. Dr.	FACE OF LEDGER. Cr.	Appropriations	Received from Collector of Taxes.	Received from Other Sources.
Amounts brought forward.....	$1,449,495 29	$2,836,902 05	$1,470,257 27	$1,124,551 63	$242,093 15
Repairs of Wharves	1,820 86	2,000 00	2,000 00	.....	.....
Police Department	780,199 03	1,525,444 48	785,000 00	740,444 48	.....
Street-Cleaning Department.					
Cleaning Streets.....	267,961 09	270,352 20	268,562 00	.....	1,790 20
Hose for Street Cleaning Department..	.....	125 00	125 00	.....	.....
Health Department.					
Health.....	14,644 62	15,368 02	15,368 02	.....	....
Health Salaries.....	32,950 24	33,300 00	33,300 00	....	.....
Quarantine Hospital.....	17,973 13	22,711 14	18,000 00	... .	4,711 14
Nuisances.....	10,054 87	10,091 02	10,091 02	.....	.....
Removal of Refuse of Packing Houses	2,000 00	2,000 00	2,000 00	....	.....
Post Mortems.....	1,381 20	1,500 00	1,500 00	.....	.....
Fire Department.					
Salaries and Incidentals.....	238,904 52	242,959 29	242,833 39	.....	125 90
Equipping No. 15 Engine Co.....	20,460 00	20,460 00	20,460 00	.....	.....
Fire Alarm Boxes—Various Places....	2,526 79	2,530 00	2,530 00	.....	.....
Fire Boat for Harbor.....	17,574 64	35,000 00	35,000 00	.....	.....
Inspector of Buildings.					
Salaries and Incidentals.....	6,699 98	6,700 00	6,700 00	.....	.....

Enclosing Eastern Female High School Lot	2,175 22	2,175 22	2,000 00		175 22
Painting Quarantine Hospital	1,000 00	1,000 00	1,000 00		
Skylight at Fells Point Market	1,800 00	1,800 00	1,800 00		
Painting School Houses	4,000 00	4,000 00	4,000 00		
Sanitary Improvements	3,000 00	3,000 00	3,000 00		
Replacing Broken Glass in School-Houses	1,200 00	1,200 00	1,200 00		
Permits for Sheds, Signs, &c	1,218 87	8,164 25			8,164 25
Changing Stalls at No 3 and New Floor at No. 10 Engine Houses	1,300 00	1,300 00	1,300 00		
Repairs of Schools	9,000 00	9,000 00	9,000 00		
Repairs of City Property	18,000 00	18,000 00	18,000 00		
Cleaning Cesspools	1,058 38	1,200 00	1,200 00		
Repairing Broadway Institute	600 00	600 00	600 00		
Remodeling No. 20 Primary School	7,400 00	7,400 00	7,400 00		
Wood Ceilings for Public Schools	2,000 00	2,000 00	2,000 00		
Building Morgue	3,800 00	4,000 00	4,000 00		
Building Public School No. 25		25,000 00	25,000 00		
Paving Belair Market	800 00				
Paving Centre Market	3,000 00	3,000 00	3,000 00		
Paving Centre Fish Market	2,000 00	2,000 00	2,000 00		
City Commissioner's Department.					
Salaries and Incidentals	9,473 83	9,700 00	9,700 00		
Vaults and Areas		562 60			562 60
Repairs of Paved Streets	79,987 72	80,977 02	80,000 00		977 02
Repairs of Unpaved Streets	1,964 25	2,000 00	2,000 00		
Repairs of Bridges	6,742 36	6,763 08	6,763 08		
Repairs of Sewers	9,831 62	13,833 14	10,053 78		3,779 36
Improvement of Jones' Falls	9,979 52	1,308 40			1,308 40
Improvement of Harford Run	2,005 23				
Trapping Inlets—Holland and Other Streets		250 00	250 00		
Amounts carried forward	$3,047,983 26	$5,237,676 91	$3,108,993 56	$1,864,996 11	$263,687 24

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER. Dr.	FACE OF LEDGER. Cr.	Appropriations	Received from Collector of Taxes.	Received from Other Sources.
Amounts brought forward	$3,047,983 26	$5,237,676 91	$3,108 993 56	$1,864,996 11	$263,687 24
Curbing Fulton Avenue	30 00	100 00			100 00
Iron Plates—Exeter and Lombard Sts.	330 82	800 00	800 00		
Iron Plates—Fulton Avenue	346 43	350 00	350 00		
Granite Gutters—Calvert and Madison Streets	1,039 55	1,400 00	1,400 00		
Board Walk—Philadelphia Road	434 40	500 00	500 00		
Regrading Lexington Street	150 00	150 00	150 00		
Plans for Bridges—Monroe Street	225 00	250 00	250 00		
Light Street Bridge	2,235 39	2,257 35	2,257 35		
Cross Streets—Paving and Repairing	20,560 47	37,310 93	37,310 93		
Paving in Front of City Property	541 38	1,000 00	1,000 00		
Iron Gutter Plates	799 40	1,000 00	1,000 00		
Flag and Stepping Stones	4,999 00	5,000 00	5,000 00		
Shelling Eastern Avenue	289 93	300 00	300 00		
Shelling Ridgeley and Bayard Streets	997 55	1,000 00	1,000 00		
Shelling Ferry Bar Road	144 27	300 00	300 00		
Shelling Leadenhall Street	100 00	100 00	100 00		
Shelling Fulton Avenue	1,113 97	1,170 00	1,170 00		
Paving Streets and Alleys in Bolton Property	789 52				
Paving Private Alleys	983 92	983 92	983 92		
Paving Fells Point Market	96 02	2,524 00	2,500 00		24 00
Inlets Broadway Sewer	2 50				
Grading Cedar Avenue	1,683 74	1,700 00	1,700 00		
Maintenance of Floor of Biddle Street Bridge	259 68	259 68	259 68		
Maintenance of Floor of Calvert Street Bridge	536 05	536 05	536 05		

Maintenance of Floor of St. Paul Street Bridge	946 27	946 27	946 27		
Trapping Inlets—Fayette and Arch Sts.	1,045 58	1,050 00	1,050 00		
Trapping Inlets—Broadway Sewer	92 38				
Trapping Inlets—Central Avenue	274 36	350 00	350 00		
Trapping Inlets—Baltimore and Carey Streets	125 13				
Trapping Inlets—Franklin and Carey Streets	99 99				
Trapping Inlets—Calhoun and Lanvale Streets	141 80				
Trapping Inlets—Lexington and Other Streets	5 40				
Park Commission.					
Druid Hill and Patterson Parks	127,305 35	170,130 37			170,130 37
Federal Hill Park	1,995 80	2,000 00	1,800 00		200 00
Riverside Park	4,076 11	4,077 00	4,077 00		
Mount Royal Avenue Terraces	496 09	500 00	500 00		
Johnston Square	1,492 61	1,591 94	1,576 94		15 00
Collington Square	1,598 12	1,600 00	1,600 00		
General Superintendent of Lamps.					
Inspecting and Sealing Gas Meters		2,108 50			2,108 50
Incidentals	360 50	400 00	400 00		
Gas and Electric Lights	215,764 43	235,000 50	235,000 00		50
Lamp Pillars and Lamps	10,995 06	11,176 55	11,000 00		176 55
General Expenditures.					
Harlem Park	3,164 69	4,000 00	4,000 00		
Ground Rent, Riverside Park	3,770 62	3,770 62	3,770 62		
City Council	56,919 43	57,000 00	57,000 00		
Amounts carried forward	$3,517,341 97	$5,792,370 59	$3,490,932 32	$1,864,996 11	$436,442 16

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER. Dr.	FACE OF LEDGER. Cr.	Appropriations	Received from Collector of Taxes.	Received from Other Sources.
Amounts brought forward	$3,517,341 97	$5,792,370 59	$3,490,932 32	$1,864,996 11	$436,442 16
General Expense	1,259 66	1,500 00	1,500 00		
Masonic Hall	3,434 39	3,506 00	3,501 00		5 00
Care of Circuit Court No. 2	694 19	744 00	744 00		
Court House	5,424 58	5,990 95	5,976 45		14 50
Madison Square	2,998 77	3,000 00	3,000 00		
Eastern Fountain	1,000 00	1,000 00	1,000 00		
Franklin Square	1,500 00	1,500 00	1,500 00		
Union Square	1,054 73	1,300 00	1,300 00		
Perkins Spring Square	1,000 00	1,000 00	1,000 00		
Ground Rent, Perkins Spring Square	2,052 00	2,052 00	2,052 00		
Park Place Square	420 35	500 00	500 00		
Lafayette Square	1,500 00	1,500 00	1,500 00		
Jackson Square	800 00	800 00	800 00		
Mt. Vernon Squares	900 00	900 00	900 00		
Broadway Square, 1st division	3,000 00	3,000 00	3,000 00		
" " 2d division	4,000 00	4,000 00	4,000 00		
Eutaw Square, 1st division	1,500 00	1,500 00	1,500 00		
" " 2d division	1,499 33	1,500 00	1,500 00		
Ashland Square	111 37	150 00	150 00		
Wilkens Avenue Square	1,986 14	2,000 00	2,000 00		
Taney Place Square	200 00	200 00	200 00		
Fulton Avenue Squares and Baker Circle	3,999 92	4,119 45	4,000 00		119 45
Mt. Royal Avenue Squares	1,994 08	2,000 00	2,000 00		
Warren Avenue Plat	142 64	150 00	150 00		
Lafayette Market	224 25	1,055 55			1,055 55
Centre "	802 16	6,719 25	150 00		6,569 25
Belair "	530 89	8,520 50			8,520 50

Fells Point Market	608 30	6,596 35	150 00		6,440 35
Lexington "	569 90	13,072 75	150 00		12,922 75
Richmond "	461 45	2,310 65	100 00		2,210 65
Hanover "	441 96	6,054 40			6,054 40
Cross Street "	311 40	4,533 45			4,533 45
Hollins "	404 80	3,826 60	150 00		3,676 60
Northeast "	308 75	2,272 60			2,272 60
Canton "	173 42	365 50			365 50
Cross Street Hall	19 75	138 00			138 00
Hollins Hall	62 75	404 00			404 00
Broadway Hall	42 25	68 00			68 00
Wharfage	7,420 45	28,788 44			28,788 44
Salaries	73,895 54	74,096 48	74,096 48		
City Library	6,897 18	7,530 84	7,500 00		30 84
Public Printing	4,098 42	4,232 00	4,100 00		132 00
Interest	104,696 38	215,103 15	70,000 00	130,240 12	14,863 03
Interest on Stock Debt	1,644,720 13	2,302,501 71	1,688,401 24		614,100 47
Superintendent of the City Hall	17,525 30	17,952 20	17,940 00		12 20
Mayoralty	1,622 06	2,000 00	2,000 00		
Lamplighters	46,514 00	46,835 00	46,835 00		
Special Appropriations	11,366 38	11,376 38	11,376 38		
Transportation to House of Correction	376 40	478 50	478 50		
City Property	3,469 84	4,360 00	4,200 00		160 00
Appeal Tax Court	308 91	468 44	450 00		18 44
City Collector	52,595 70	52,600 00	52,600 00		
Commissioners for Opening Streets	159 68	200 00	200 00		
Elections	18,515 80	20,000 00	20,000 00		
Dog Pound	2,189 25	2,521 97	2,214 00		307 97
Supervisors of Elections	7,336 52	8,500 00	8,500 00		
Liquor License Commission	9,998 28	10,000 00	10,000 00		
Maryland Institute	6,000 00	6,000 00	6,000 00		
Inspector of Gas and Oils (Livery)	300 00	300 00	300 00		
Tax Sales	5,529 90	6,558 90			6,558 90
Winding Maryland Institute Clocks	75 00	75 00	75 00		
Ringing Mechanics Bells	200 00	200 00	200 00		
Amounts carried forward	$5,590,587 27	$8,714,893 60	$5,562,872 37	$1,995,236 23	$1,156,785 00

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER. Dr.	FACE OF LEDGER. Cr.	Appropriations	Received from Collector of Taxes.	Received from Other Sources.
Amounts brought forward	$5,590,587 27	$8,714,893 60	$5,562,872 37	$1,995,236 23	$1,156,785 00
Water Board	909,561 22	865,685 38			865,685 38
Drinking Fountain—North and Eager Streets	75 00	75 00	75 00		
Water Loan of 1926	200,000 00	200,000 00			200,000 00
General License	1,716 61	67,452 99	1,600 00		65,852 99
City Seal		18 00			18 00
Liquor License		386,781 20			386,781 20
Refunded Taxes	3,802 17				
Sale of Old Material (1928 Loan)		717 53			717 53
Temporary Loans	1,165,000 00	400,000 00			400,000 00
Auction Duties		7,482 58			7,482 58
Enoch Pratt Free Library	50,000 00	50,000 00	50,000 00		
Direct Tax		1,872,269 84		1,872,269 84	
Miscellaneous Stocks		877,368 44		877,368 44	
Opening Streets		156,874 76		156,874 76	
Water Tax		52,057 40		52,057 40	
Renumbering Houses		23 25		23 25	
Water (1926) Sinking Fund	12,488 66	12,488 66		12,488 66	
Internal Improvement (1928) Sinking Fund	12,488 66	12,488 66		12,488 66	
Iceboat "Annapolis"	10,000 00	10,000 00	10,000 00		
Turnpike Dividends		280 90			280 90
Assistance to Examiner of Titles	885 00	1,000 00	1,600 00		
Intestate Estates	731 60	731 60			731 60
Sale of City Property	119 78	1,796 28			1,796 28
Telephone Conduits		1,500 00			1,500 00
Entertainment of Officers and Crew of U. S. S. "Baltimore"		1,000 00	1,000 00		

State Tax on City Loans	28,909 28	28,483 64	12,400 00		16,083 64
Insurance on Bayview Asylum	1,280 00	1,295 00	1,295 00		
Rent of Circuit Court No. 2	900 00	900 00	900 00		
Purchase of Ground for Engine House No. 16	3,400 00	3,400 00	3,400 00		
Baltimore Light Infantry	2,000 00	2,000 00	2,000 00		
Lot for Public School No. 25		14,000 00	14,000 00		
Bolton Depot Property		54,000 00			54,000 00
Widening Union Dock	248 98				
Closing Birckhead Street	10 88				
" Carey Street		188 89		188 89	
" Morris Alley	65 85				
" Fourth Lane	902 25	1,069 27		1,069 27	
" Point Lane	2 00				
" Brown's Lane	32 10	185 37		185 37	
" A 15-foot Alley from Collington Avenue	795 11	921 35		921 35	
Opening McCulloh Street	1,579 45				
" Collington Avenue	831 65	500 00	500 00		
" Nanticoke Street	12,476 67	12,656 41	8,668 11	3,988 30	
" Spring Street	2,105 16	2,322 11	1,632 25	689 86	
" Pulaski Street	79 65	2,048 34		2,048 34	
" Russell Street	440 13	1,152 36	777 36	375 00	
" Richardson Street	14,052 38	14,224 12	5,667 09	8,557 03	
" Carroll Street	19,264 90	19,474 53	10,126 05	8,734 23	614 25
" Orleans and Low Streets	528 89				
" Madison Street	2,328 34	5,571 14	4,804 14	767 00	
" Race Street		1,224 91	946 60	278 31	
" Scott Street	5,717 50	6,350 19	3,525 94	2,137 23	687 02
" Carey Street	10,224 50	9,221 92	4,812 05	4,409 87	
" Cooksie Street		438 75		438 75	
" Calhoun Street	9,810 36	8,587 30	4,878 21	3,709 09	
" Fairmount Avenue	25,958 28	26,501 15	17,100 00	8,898 44	502 71
" Carrollton Avenue	10,201 73	9,490 24	5,571 87	3,918 37	
Amounts carried forward	$8,111,602 01	$13,919,193 06	$5,729,552 04	$5,030,121 94	$3,159,519 08

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER. Dr.	FACE OF LEDGER. Cr.	Appropriations	Received from Collector of Taxes.	Received from Other Sources.
Amounts brought forward	$8,111,602 01	$13,919,193 06	$5,729,552 04	$5,030,121 94	$3,159,519 08
Opening Mount Royal Avenue		515 92		515 92	
" Regester Street	133 93				
" Ann Street	109 58				
" Chester Street	3,876 25	4,161 25	2,536 88	1,339 37	285 00
" Lanvale Street	22,016 88	20,225 52	10,936 50	9,289 02	
" Mount Street	32 10				
" Benson Street	4,189 40	3,123 33	2,185 83	937 50	
" West Baltimore Street	42 55				
" Hollins Street	102 75				
" Webster Street	26 78				
" Randall Street	26 13				
" Francis Street	40 50				
" Florence Street	40 50				
" Brevard Street	147 09				
" Burke Street	19,206 80	19,543 29	14,193 83	5,349 46	
" Whitelock Street	41 15				
" Towson Street	26 15				
" Clement Street	10,822 92	8,029 95	5,816 29	2,213 66	
" Nicholson Street	42 53				
" Federal Street	276 25				
" Ropewalk Lane	40 50				
" Brice Alley	32 10				
" Bouldin Alley	26 15				
" Patterson Avenue	41 13				
" Stoddard Alley	41 78				
" Lovegrove Alley	304 62				
" A 10-foot alley, McKim to Hilliman Streets	41 78				

Opening Fifth Lane	104 13	97 05	97 05	
" Pinckney Alley	42 90			
" Morris Alley	26 15			
" Cemetery Lane and Tennant Street	108 62			
" Patapsco Alley	131 06	1,155 88	715 14	440 74
" Laurence Street	6,573 36	6,904 87	5,901 13	812 87	190 87
" Chew Street	50 00			
" Wooster Street	7,697 25	8,047 04	4,780 18	3,107 50	159 36
" Johnson Street	9,970 05	6,459 90	4,479 03	819 87	1,161 00
" Barclay Street	28,744 37	29,021 71	24,195 89	3,348 37	1,477 45
" Castle Alley	227 00			
" Biddle Street	7,334 00	7,671 97	3,567 01	3,483 68	621 28
" Townsend Street	17,409 22	15,364 88	10,827 78	4,537 10	
" Etting Street	2 341 59	1,306 53	1 182 78	123 75	
" Oliver Street	12,043 48	11,219 49	9,616 99	1,292 50	310 00
" Cannon Street	364 00	364 00	364 00		
" Mosher Street	15,305 10	15,675 26	8,602 20	6,998 00	75 00
" Cleaveland Street	150 37			
" Ward Street	261 68			
" Eutaw Street	12 45			
" Riggs Avenue	420 62			
" Chase Street	246 65			
" Andre Street		523 00		523 00	
" Allen Street	279 25			
" Stockholm Street	11 00			
" Porter Street	2 00			
" Durham Street	236 08			
" Penn Street	300 00			
" Donaldson Street		26 34	26 34		
" Covington Street		1,456 02	1,456 02		
Paving Interest		486 29		486 29	
Paving Fulton Avenue	10,470 75	3,330 84		3,330 84	
Amounts carried forward	$8,294,193 44	$14,083,903 33	$5,840,935 86	$5,079.168 43	$3,163,799 04

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER. Dr.	FACE OF LEDGER. Cr.	Appropriations	Received from Collector of Taxes.	Received from Other Sources.
Amounts brought forward	$8,294,193 44	$14,083,903 33	$5,840,935 86	$5,079,168 43	$3,163,799 04
Paving Mount Royal Avenue	5,572 64	3 913 06		3,913 06	
" Hoffman Street	238 48				
" Orleans Street	638 96	81 43		81 43	
" Clement Street	2,238 07	3,467 12		3,467 12	
" Falls Road	42 25				
" Wilkens Avenue		408 25		408 25	
" Monroe Street	20,824 50	21,671 68		21,671 68	
" East Street	976 61				
" Gold Street	30 00	982 12		982 12	
" Harlem Avenue	30 00				
" Washington Avenue	4 922 08	6,053 26		6,053 26	
" Federal Street	18.266 19	672 73		672 73	
" Oliver Street	6,251 28				
" Cannon Street		1,014 75		553 05	461 70
" North Avenue	1,289 82	152 27		152 27	
" Patterson Park Avenue		1,358 71		1,358 71	
" Lanvale Street	779 81	2,261 50		2,261 50	
" East Biddle Street		519 69		519 69	
" Gay Street		58 78		58 78	
" Holbrook Street	504 76	198 83		198 83	
" McCulloh Street	186 45				
" Mulberry Street	667 96				
" Madison Avenue	9,117 11	186 17			186 17
" Ostend Street	715 85				
" Box Alley	135 22				
" Eagle Street		13 52		13 52	
" E. Baltimore Street	114 59	23 82		23 82	
" Smallwood Street	81 21				

Paving Bradford Alley		7 74		7 74	
" Exeter Street	30 00				
" Wolfe Street	138 59				
" An alley between Eagle Street and Wilkens Avenue		182 30		182 30	
Internal Improvement 1928 Loan	26,010 00	826,010 00			826,010 00
Building Manual Training School	12,769 32				
" No. 13 Primary School	13,009 80				
" English and German School No. 5	24,389 77				
" No. 8 Grammar School	14,338 25				
" No. 24 Primary School	16,277 35				
" No 20 Grammar School	24,666 63				
" No. 31 Primary School	20,445 92				
" Grammar and Primary School, N. Baltimore	21,000 00				
Purchase of Lot and Building Primary School, S. Baltimore	30,953 80				
Purchase of Lot and Building Annex School, No. 3	24,466 22				
Purchase of Lot and Building Annex School, No. 13	18,676 94				
Building Annex School, No. 4	20,517 85				
Re-building Light-street Bridge	94,012 34				
Fremont Street Sewer	67,427 95	1 66			1 66
Preston Street Sewer	52,893 15	12 00			12 00
Eager Street Sewer	35,313 86				
Fulton Avenue Sewer	1,691 10				
Presbury Street Sewer	3,782 71				
Wolfe Street Sewer	32,016 20				
Pulaski Street Sewer	31,853 87				
Low Street Sewer	74 96				
Cross Street Sewer	4,339 82				
Howard Street Sewer	4,108 79				
Amounts carried forward	$8,963,022 47	$14,953,154 72	$5,840,935 86	$5,121,748 29	$3,990,470 57

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER. Dr.	FACE OF LEDGER. Cr.	Appropriations	Received from Collector of Taxes.	Received from Other Sources.
Amounts brought forward	$8,963 022 47	$14,953,154 72	$5,840,935 86	$5,121,748 29	$3,990,470 57
Carey Street Relief Sewer	7 222 40				
Jenkins Run Sewer	32,895 24				
Extension of Dolphin Street Sewer	11 930 52				
Cedar Avenue Bridge	59,282 84				
Boston Street Bridge	17,553 98				
Patterson Park Sewer	237 66				
Russell Street Bridge	63 94				
Monroe Street Bridge	171 10				
Patterson Park Extension	54,593 11	5 78			5 78
Paving Lafayette Market	882 25				
Paving Hanover Market	225 92				
Widening Fayette Street	100 90				
Widening East Baltimore Street	1,566 45				
Opening Douglas Street	158,217 97	94,869 70		90,699 70	41 70
Paving Dolphin Street	5 051 28				
Paving Monument Street	4,464 58				
Paving Cathedral Street	38,049 13	1,461 57		1,439 57	22 00
Purchase of Carroll Park	44,500 00				
City Annex.					
General Superintendent of Lamps.					
Incidentals	280 00	280 00	280 00		
Gas and Electric Lights	6,069 74	6,159 98	6,159 98		
Lamp Pillars and Lamps	5,614 25	5,654 25	5,654 25		
Fire Department.					
Salaries and Incidentals	31,927 43	31,944 32	31,935 82		8 50

Fire Plugs at Carroll	341 33				
Bell at Waverly Engine House	31 43	100 00	100 00		
Cleaning Streets	15,631 63	17,284 00	17,284 00		
Health Salaries	2,600 00	2,600 00	2,600 00		
Nuisances	1,694 01	1,812 00	1,812 00		
Schools.					
Public Schools	13,215 66	13,215 70	13,215 70		
Public Schools Salaries	61,784 30	61,784 30	61,784 30		
Repairs of City Property	3,000 00	3,000 00	3,000 00		
City Commissioner's Department.					
Repairs of Streets, Roads, &c	11,934 69	11,717 76	11,557 76		160 00
Repairing Race Street	278 50	300 00	300 00		
" Hillen Road	476 95	500 00	500 00		
" Union Avenue, &c	998 62	1,000 00	1,000 00		
" Millington Avenue	999 61	1,000 00	1,000 00		
" William Street, Remington Avenue, &c		2,500 00	2,500 00		
Shelling Loney's Lane	599 98	600 83	600 00		83
" Maiden Choice Road	40 32	42 29	42 29		
" Point Lane	223 90	260 00	260 00		
" North Avenue	2,485 19	2,500 00	2,500 00		
" Old York Road	952 93	1,000 00	1,000 00		
" Gilmore's Lane	780 64	800 00	800 00		
" Quaker Lane	78 04	100 00	100 00		
" Jenkins Lane	230 00	250 00	250 00		
" Friendship Lane		400 00	400 00		
Board Walk, Calverton Road	99 91	100 00	100 00		
Macadamizing Park Heights Avenue	5,995 70	6,000 00	6,000 00		
Amounts carried forward	$9,568,396 50	$15,222,397 20	$6,013,671 96	$5,213,887 56	$3,994,837 68

STATEMENT D—Concluded.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriations	Received from Collector of Taxes.	Received from Other Sources.
	Dr.	Cr.			
Amounts brought forward	$9,568,396 50	$15,222,397 20	$6,013,671 96	$5,213,887 56	$3,994,837 68
Macadamizing Calverton Road	1,995 35	2,000 00	2,000 00		
Culvert in Jefferson Street	1,486 62	1,500 00	1,500 00		
City Collector	2,599 92	2,600 00	2,600 00		
Taxes in Annex for 1888	32 59	814 86			814 86
Interest	2,606 26	3,103 93		3,103 93	
Direct Tax		134,222 84		134,222 84	
Special Assessment	1,572 90				
Refunded Taxes	265 37				
Lamplighters	9,312 86	8,970 00	8,970 00		
Drinking Fountain—Garrison's Lane	75 00	75 00	75 00		
Hydrant at School—Woodberry Lane	25 00	25 00	25 00		
Dressing Remington and other Aves	2,499 70	2,500 00	2,500 00		
Paving Oak and Fifth Streets		275 00	275 00		
Mayor and City Council	6,031,616 96				
Cash	9,346,866 87	9,590 868 07			
Totals	$24,969,351 90	$24,969,351 90	$6,031,616 96	$5,351.214 33	$3,995,652 54

STATEMENT E.

Receipts and Disbursements from December 31, 1889, to December 31, 1890.

	Receipts.	Disbursements.
January	$ 246,085 41	$ 778,139 83
February	1,034,214 42	406,208 07
March	782,828 15	769,683 20
April	485,133 89	796,422 85
May	425,259 72	1,159,066 46
June	2,369,779 81	1,211,858 21
July	1,009,845 56	846,656 06
August	306,279 95	615,798 18
September	249,218 92	491,035 51
October	1,015,521 10	877,734 96
November	526,093 82	1,017,908 97
December	896,606 12	620,355 77
	$9,346,866 87	$9,590,868 07
Balance December, 31, 1889.	372,548 12	
" " " 1890.		128,546 92
	$9,719,414 99	$9,719,414 99

STATEMENT F.

Statement Showing the Monthly Returns of the "Keepers of the Standards of Weights and Measures," from March 1, 1890, to December 31, 1890.

1890.	N. W. District.	S. W. District.	N. E. District.	S. E. District.	Totals.
March	$306 75	$237 27	$238 53	$296 57	$1,079 12
April	250 01	309 93	260 88	305 17	1,125 99
May	306 02	277 31	276 21	320 38	1,179 92
June	329 09	302 52	387 49	192 49	1,211 59
July	303 09	231 90	331 33	167 18	1,033 50
August	211 80	340 60	159 68	193 56	905 64
September	260 71	84 56	44 54	39 65	429 46
October	62 41	127 11	43 50	42 42	275 44
November	25 76	67 52	31 45	36 29	161 02
December	54 19	35 16	22 50	11 64	123 49
Totals	$2,109 83	$2,013 88	$1,796 11	$1,605 35	$7,525 17

COMMUNICATIONS.

BALTIMORE, December 31, 1890.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The appropriations required for this Department for the year 1891 are as follows:

For repairs of public school houses		$10,000 00
" substituting wood or iron for plaster ceilings		4,000 00
" painting school houses		5,000 00
" emptying cess-pools		1,200 00
" incidental expenses, livery and repairs to wagons		700 00
" salaries		5,500 00
" repairs to city property		21,000 00
" sanitary improvements		3,000 00
" extra out-door help		1,000 00
" repairs to school and engine houses in the annex		6,000 00
" building No. 13 Annex School		11,410 13
" " No. 25 Primary School		25,000 00
" " Morgue		200 00
	Total	$94,010 13

Very respectfully,

J. THEO. OSTER,

Inspector of Buildings.

Estimates for Public Schools for 1891.

Baltimore, January 7, 1891.

John A. Robb, Esq., *City Register:*

Dear Sir—The following are the amounts (estimated by the Committee on Accounts) which will be required by this Board for 1891:

For salaries	General account,		$685,000 00
" rents and ground rents	"		35,000 00
" books and stationery	"		45,000 00
" heating apparatus and its repairs	"		9,000 00
" furniture	"		15,000 00
" fuel	"		25,000 00
" repairs and cleaning	"		9,000 00
" incidentals, printing, &c.	"		12,000 00
Total for general account			$835,000 00
" Annex schools, salaries		$76,000 00	
" Annex schools, sundries		20,000 00	
			96,000 00
			$931,000 00
" Manual Training School			27,000 00
			$958,000 00

Attest:

Henry M. Cowles,
Secretary.

BALTIMORE, January 7, 1891.

JOHN A. ROBB, ESQ.,

Register of Baltimore City:

DEAR SIR—The estimated appropriations needed for this Department for the year 1891 are as follows:

Gas and electric light account, City proper. . .		$251,671 75
Lamp-pillars and lamps account, City proper..		16,477 00
Keep of horse and wagon for General Superintendent		300 00
Incidentals		100 00
Deficiency in lamp-pillars and lamps account for 1890		$1,253 97
Gas and electric light account, City Annex....		$11,130 75
Lamp-pillars and lamps account, City Annex..		6,044 70
Keep of horse and wagon for Superintendent of Annex		300 00
Deficiency on gas and electric light account, Annex for 1890		$ 2,089 24

The estimated receipts are:

Inspecting and sealing gas meters...	$2,500 00	
Damages recovered for breakage of lamps	75 00	
		$2,575 00

Very respectfully,

W. STUART SYMINGTON,

General Superintendent of Lamps, &c.

BALTIMORE, January 8, 1891.

JOHN A. ROBB, ESQ., *City Register:*

SIR—The following are the estimates for the City and Annex Fire Departments for the year of 1891:

CITY.

Salaries	$179,022 00
Apparatus	10,400 00
Apparatus repairs	7,000 00
Accident	1,986 71
Feed	10,000 00
Fuel	3,000 00
Furniture	1,800 00
Harness	600 00
Horse shoeing	1,800 00
Hose and suction sleeves	7,500 00
Horses	5,000 00
Ground rent	804 25
Gas	1,500 00
Oils, grease, etc.	1,500 00
Office expenses, including printing report and messengers' salary	1,000 00
Rent of telephones	700 00
Miscellaneous	1,800 00
Washing	1,600 00
Life insurance	2,200 00
Pensioned firemen	5,200 00
Sick account	1,000 00
Police and fire alarm telegraph	19,325 00
Amount carried forward	$264,737 96

Amount brought forward	$264,737 96
Balance for construction of Fire and Patrol Boat, Resolution 52	17,425 36
Total	$282,163 32

ANNEX.

Deficiency for 1890	$ 482 62
Salaries	16,000 00
Apparatus and apparatus repairs	1,000 00
Accident	100 00
Feed	1,900 00
Fuel	300 00
Furniture	250 00
Harness	130 00
Horseshoeing	354 00
Hose	150 00
Horses	1,500 00
Rents	848 50
Gas	162 00
Oils, grease, &c	500 00
Rent of telephones	58 75
Miscellaneous	201 00
Washing	175 00
Life Insurance	225 00
Sick Account	200 00
Police and fire alarm telegraph	1,000 00
Total	$25,536 87

Very respectfully,

J. A. PRESTON,

President.

BALTIMORE, January 12, 1891.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following is the estimated expenses of the Criminal Court, Record Office, and grounds required for the year 1891:

Superintendent's salary	$1,200 00
Watchman's salary	1,000 00
Janitor for Criminal Court building, basement and grounds	600 00
Cleaning Criminal Court	350 00
Cleaning Court of Common Pleas	350 00
Janitress for ladies' room	300 00
100 tons coal for Criminal Court, Superior, Common Pleas, Jury, Grand Jury, witness room, clerks' offices, at $5	500 00
50 tons coal for Record Office, at $5	250 00
8 cords kindling wood, same as for coal, at $8	64 00
Gas for Criminal Court buildings, basements and offices	200 00
Ice for Criminal Court, Superior, Common Pleas, Jury rooms, offices, etc	150 00
Ice coolers and repairing	50 00
Removing ashes and refuse	100 00
Whitewashing the Criminal Court building and yard	150 00
Amount carried forward	$5,264 00

Amount brought forward	$5,264 00
Gas fixtures, globes and repairs, Criminal, Superior, Common Pleas, and Record office, etc	100 00
Locks, keys, and repairs	25 00
Window curtains and awnings	75 00
Brooms, buckets, brushes, mops, towels, soap, soda, etc	100 00
Furniture, chairs, desks, etc	150 00
Carpets, oilcloth, and linoleum	150 00
Repairing furniture	100 00
" furnaces, stoves and grates	150 00
	$6,114 00

Respectfully submitted,

JOHN D. COOK,

Superintendent of Criminal Court.

OLD MASONIC HALL BUILDING.

BALTIMORE, January 7, 1891.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following is the estimate of the expense for this Department for the year ending December 31st, 1891:

Superintendent's salary	$1,000 00
Watchman	900 00
Janitor	499 92
Amount carried forward	$2,399 92

Amount brought forward	$2,399 92
Assistant	300 00
Coal (65 tons) at $5 per ton	325 00
Gas	100 00
Ice	90 00
Buckets, Brooms, Brushes, Feather Dusters, Mops, Soap, &c.	57 00
Repairs to Furniture, Locks, Keys, Window Curtains, &c.	50 00
Repairing, cleaning and relining Stoves, new cylinders, &c.	70 00
Whitewashing offices, yard, &c	15 00
Hose	25 00
Hauling ashes	15 00
Cleaning and relaying carpets	31 00
Incidentals	100 00
Oil-cloth for City Court	28 00
Washing towels	30 00
Wood for kindling, 3 cords	21 00
Carpet for Circuit Court, 300 yards	400 00
Carpet for City Court	100 00
	$4,156 92

Respectfully submitted,

JAMES DONNELLY,

Superintendent.

CLAYTON BUILDING, CIRCUIT COURT NO. 2,

BALTIMORE, January 7, 1891.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following is the estimate of the expense of this Department for the year ending December 31st, 1891:

Cleaning Court, offices, &c	$468 00
Coal (20 tons) at $5 per ton	100 00
Wood, 2 cords	14 00
Ice	30 00
Gas	20 00
Brushes, brooms, buckets, feather dusters, &c	30 00
Repairs to furniture, stoves, locks, keys, &c	35 00
Cleaning carpets	25 00
Hauling ashes	8 00
Incidentals	20 00
	$750 00

Respectfully submitted,

JAMES DONNELLY,
Superintendent.

BALTIMORE, January 6, 1891.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following is the estimate of the expenses of this Department for the year ending December 31, 1891:

Gas and incandescent lights	$ 3,600 00
Coal and Wood	2,300 00
Cleaning City Hall	7,320 00
Repairs to furniture and gas fixtures	700 00
Ice	500 00
Brushes, buckets, soap, &c	300 00
Removing ashes, &c	150 00
Winding tower clock and fire alarm striker and regulating all clocks in the hall, batteries, &c.	400 00
Laborer	720 00
New furniture	150 00
Window shades	50 00
Incidentals	250 00
Cleaning carpets and draperies and relaying	400 00
New carpets, rugs, &c	500 00
	$17,340 00

Respectfully submitted,

W. P. RYAN,

Superintendent of City Hall.

BALTIMORE, December 23, 1890.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following estimates for the expenses of the Health Department for the year 1891 have been carefully made up, and are based upon the experience of absolute necessities:

Salaries	$35,300 00
General health	12,000 00
Nuisance and sewers	15,000 00
Quarantine hospital	18,000 00
Post mortems (by ordinance)	1,500 00
Removing filth from docks	5,000 00
	$6,300 00

CITY ANNEX.

Salaries	$3,800 00
Nuisance and sewers	2,500 00
	$86,800 00

Respectfully submitted,

GEORGE H. ROHE,

Commissioner of Health.

BALTIMORE, January 9, 1891.

JOHN A. ROBB, ESQ., *City Register*:

DEAR SIR—The following is the estimate of expenses for the Department of Street Cleaning for the year 1891:

136 garbage carts and men at $18 per week....	$127,296 00
56 street carts and men at $18 per week.....	52,416 00
125 sweepers and scrapers at $10 per week.....	65,000 00
Contract for removal of garbage.....	8,500 00
Salaries.....	9,000 00
Dumps.....	4,500 00
Tools and incidentals.....	1,850 00
	$268,562 00
Removal of snow.....	5,000 00
	$273,562 00

City Annex.

11 garbage carts and men at $18 per week.....	$10,296 00
3 street carts and men at $18 per week.....	2,808 00
6 sweepers and scrapers at $10 per week.....	3,120 00
Salary of Superintendent.....	1,000 00
Tools.....	60 00
	$17,284 00

Respectfully submitted,

B. E. SMITH,

Commissioner of Street Cleaning.

BALTIMORE, January 12, 1891.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The Harbor Board will require for the year 1891 the following amounts on account of—

Harbor:

Amount of apparent unexpended balance (most of it really due for dredging in 1890)	$16,148 06	
Additional or new appropriation	50,000 00	
		$66,148 06
Spring Gardens:		
Unexpended balance, account Channel to Bush Street Dock (due contractor for dredging in 1890)		1,115 63
Iceboat:		
Unexpended balance	$ 2,536 29	
New appropriation	12,463 71	
		15,000 00
Repairs of wharves		5,000 00
Making total of appropriation		$87,263 69

Very respectfully, &c.

N. H. HUTTON,

Engineer.

BALTIMORE, January 3, 1891.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The estimated expenses for the Board of Supervisors of Elections for the year 1891 are as follows:

For salaries	$ 6,550 00
" extra counsel	1,500 00
" " help and incidentals	3,000 00
	$11,050 00

By order of the Board of Supervisors,

H. W. B. REID,
Clerk.

BALTIMORE, January 2, 1891.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—Herewith I respectfully submit estimates for salaries of City Collector and employes in his department, incidental expenses of Tax Department, and salaries of the employes of the Appeal Tax Court for the fiscal year ending December 31, 1891, aggregating $55,900 00.

1 City Collector	$ 2,000 00
1 Deputy City Collector	2,500 00
1 Cashier	1,600 00
Amount carried forward	$ 6,100 00

Amount brought forward	$ 6,100 00
1 Assistant Cashier	1,400 00
1 Bookkeeper	1,600 00
1 General Cash Bookkeeper	1,600 00
1 Transfer Clerk	1,300 00
1 Piece Clerk	1,300 00
13 Ledger Clerks, at $1,300.00 each	16,900 00
Incidental expenses of the City Collector's office	2,500 00
	$32,700 00

Salaries of Judges and employes of the Appeal Tax Court:

3 Judges, at $1,800.00 each,	$ 5,400 00
1 Chief Clerk	1,600 00
1 Assistant Clerk	1,200 00
1 Assessor of new improvements	1,400 00
2 Assessors of old real estate, at $1,200.00 each	2,400 00
1 Clerk to Assessors	1,200 00
28 Assessors of personal property	10,000 00
	$23,200 00

Respectfully,

J. T. M. Barnes,

Deputy City Collector.

Table B.

Showing the amounts required for the City Commissioner's Department for the year ending December 31, 1891:

On what account.	Amounts.
Repairs of sewers and inlets	$10,000 00
" bridges	6,000 00
" " —Deficiencies for year 1890.	228 63
" paved streets	85,000 00
" unpaved streets	2,000 00
Flag and stepping stones	5,000 00
Paving and repaving in front of City property.	1,000 00
" " "cross streets"	10,000 00
Salaries	9,000 00
Livery	1,000 00
Incidentals	100 00
Light street bridge	2,500 00
" " —Deficiency for year 1890	157 90
Maintenance of floor of St. Paul street bridge.	946 27
" " Biddle street bridge	129 84
City Dock drawbridge, repairs, &c	2,250 00
St. Paul street bridge, repainting, &c	3,400 00
Calvert street bridge, repainting, &c	2,500 00
North street bridge, repainting, &c	1,000 00
Repairs of streets, roads, bridges, &c., in the "Annex"	15,000 00
Salaries and livery in the "Annex"	2,432 00
Cedar avenue bridge, deficiencies (out of 5-M. L.)	
	$160,428 56

Reappropriations for 1891 *for the following streets.*

Donaldson street, from Marshall to Sharp	$ 26 34
Patapsco street, from Fort avenue to Ostend	715 14
Covington street, from Fort avenue to Gould	1,524 00
Race street, from Cross to Fort avenue	946 60
Madison street, from Wolfe to Washington	3,491 64
Johnson street, from Randall to Wells	747 86
Scott street, from present terminus to Ridgely	124 74
Burke street, from Baltimore to Monument	3,740 33
Nanticoke street, from Cross to Stockholm	768 75
Russell street, from B. & O. tracks on Ostend street to Wooster	376 20
	$12,461 60

Approximate estimate for 1891.—*City's proportion for opening streets.*

Cooksie street, from Clement to Cuba	$ 288 24
Patapsco alley, from Ostend to West streets	7,320 69
Andre street, from Fort avenue to Marriott	13,398 32
Pulaski street, from Frederick avenue to Baltimore	5,724 02
Riggs avenue, from Stricker to Fremont	33,803 09
Castle alley, from Monument to Eager	23,315 65
Lovegrove alley, from Adams alley to First st.	7,072 20
Beason street, from Andre to Clement	8,094 05
Closing Belvidere road	5,269 21
	$104,285 47

Respectfully submitted,

C. L. Goodwin.

CITY LIBRARY, CITY HALL,

BALTIMORE, January 6, 1891.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The appropriations needed for this Department for 1891 are estimated at $8,500, as follows:

Stationery, printing, &c.	$7,500 00
Binding books, framing historical records and providing cases, racks and proper files for records, archives, &c., of the City Council Departments,	1,000 00
Total, ...	$8,500 00

Respectfully yours,

GEORGE C. WEDDERBURN,
City Librarian.

OFFICE BOARD OF POLICE COMMISSIONERS,

BALTIMORE, January 8, 1891.

To the Mayor and City Council of Baltimore City:

GENTLEMEN—The Board of Police Commissioners estimate that the sum of seven hundred and eighty-eight thousand dollars ($788,000) will be required for the Police Department for the year of 1891.

Very respectfully,

E. M. SCHRYVER,
JOHN GILL,
Police Commissioners.

REPORT OF

The Department of Finance

FOR THE YEAR 1890.

REPORT.

DEPARTMENT OF FINANCE,

BALTIMORE, December 31, 1890.

To the Honorable the Members of the
First and Second Branches of the City Council:

GENTLEMEN:

The Commissioners of Finance have the honor to submit herewith, for your consideration, statements in detail exhibiting their transactions during the year, as follows:

1. A summary of receipts and payments on account of the various sinking funds.

2. A statement of stocks purchased for the sinking funds.

3. A statement showing the condition of the sinking funds.

4. A statement of the condition of the Enoch Pratt Free Library sinking fund.

5. A statement of the condition of the Horwitz benevolent fund.

6. A schedule of the real estate and ground rents from which income is derived.

7. A statement of the funded and guaranteed debt.

8. A balance sheet of the sinking funds' ledger.

9. A statement of the indebtedness of the Western Maryland Railroad Company to the Mayor and City Council of Baltimore.

10. A statement of the total liabilities of the Western Maryland Railroad Company.

The matters embraced in the foregoing are exhibited under the respective heads, in a detailed form, in the Appendix to this report.

1.—RECEIPTS AND PAYMENTS.

The receipts have been derived as follows:

From cash to credit of sinking funds, December 31, 1889....		$4,256,154 96
From Baltimore and Ohio Railroad Company, on account of purchase of Pittsburg and Connellsville Railroad bonds.	$ 40,000 00	
From interest upon stocks and investments	329,538 00	
Amounts carried forward....	$369,538 00	$4,256,154 96

Amounts brought forward....	$369,538 00	$4,256,154 96
From rental of real estate.....	25,364 75	
From sales of fractions of stocks	705 84	
From sales of $10,900 Internal Improvement 1928 loan.....	11,431 00	
From sales of $38,100 Western Maryland Railroad 1927 loan.	38,570 75	
From sales of $7,400 Water 1916 loan	9,213 00	
From rental of Hillen Station, under ordinance No. 97, 1875.	16,000 00	
From rental of Western Maryland Railroad terminal depot, under ordinance No. 92, 1882.	9,181 47	
From sale of 32,500 shares Baltimore and Ohio Railroad stock	3,250,000 00	
From National Mechanics Bank for coupons paid in error....	150 00	
From Western Maryland Railroad Company for over issue of 2d mortgage bonds..	500 00	
From the City Passenger Railway Companies.....	24,943 75	
From premium on sales of $800,000.00 Internal Improvement 1928 Loan.....	26,010 00	
From City Collector for Water 1926 Loan Sinking Fund.....	12,488 66	
Amounts carried forward.....	$3,794,097 22	$4,256,154 96

Amounts brought forward...	$3,794,097 22	$4,256,154 96
From City Collector for Internal Improvement 1928 Loan Sinking Fund.....	12,488 66	
From City Register in trust for the Five Million Loan Sinking Fund for redemption of Five Million 1890 Loan.....	847,300 00	
From redemption of Five Million 6 per cent. 1890 Loan....	222,621 88	
From redemption of Consolidated 6 per cent. 1890 Loan..	324,771 26	
From redemption of Public Park 6 per cent. 1890 Loan...	231,479 54	
From transfer of stocks in the Public Park Sinking Fund to the General Sinking Fund...	678,100 00	
		$6,110,858 56
		$10,367,013 52

The payments have been as follows:

For investment purchases	$1,582,260 57	
For transfer of stocks from Public Park to General Sinking Fund	678,100 00	
For interest on W. M. R. R. 6 per cent. 1902 Loan.....	60,000 00	
For interest on W. M. R. R. 6 per cent. 3d mortgage guaranteed bonds.....	52,380 00	
Amounts carried forward.....	$2,372,740 57	$10,367,013 52

Amounts brought forward...	$2,372,740 57	$10,367,013 52
For redemption of old 6 per cent stock.....	250 00	
For redemption of Water 1875 Loan.....	200 00	
For redemption of Consolidated 1885 Loan.....	681 08	
For redemption of W. M. R. R. 2d mortgage bonds.....	1,000 00	
For redemption of W. M. R. R. scrip.....	2,400 00	
For redemption of Consolidated 1890 Loan.....	2,151,762 65	
For redemption of Five Million 1890 Loan.....	4,964,460 66	
For redemption of Public Park 1890 Loan.....	526,066 25	
Sundry expenses (detailed in Statement No. 1, appendix).	2,976 65	
For accrued interest on $500,000 Internal Improvement 1928 Loan, from January 1, 1890, to March 13, 1890.....	3,650 00	
		$10,026,187 86
Cash in bank to credit of sinking funds.....		$340,825 66

2—INVESTMENT PURCHASES OF STOCK.

This statement is submitted in obedience to Article XLII, Section 13, of the Baltimore City Code, and exhibits in detail the purchase of stocks amounting to $1,464,713.12 at an average cost of 108.02½ per cent., the total cost of said purchases being.....	$1,582,260 57

3.—THE REDEMPTION AND SINKING FUNDS.

Exhibiting in detail the amount and condition of the investments of the funds as shown by the books of the Commissioners of Finance, as follows:

General Sinking Fund.....	$6,767,499 52
Public Park Sinking Fund.....	209,307 90
W. M. R. R. 1925 Loan Sinking Fund.....	51,233 65
W. M. R. R. 1927 Loan Sinking Fund.....	110,662 25
W. M. R. R. Co. Terminal Co. Sinking Fund.....	10,616 81
Hillen Station Sinking Fund...	37,484 28
Water 1926 Loan.....	66,516 12
Internal Improvement Loan....	50,302 55
	$7,303,623 08

Amount brought forward...		$7,303,623 08
OTHER PRODUCTIVE INVESTMENTS.		
Real estate, as shown in Statement No. 6, from which an annual rental of $10,225.11 is derived, capitalized at six per cent., is worth.....	$170,418 50	
550 shares Baltimore and Reisterstown Turnpike stock.....	2,062 50	
137 shares Baltimore and Frederick Turnpike stock.....	456 66	
625 shares Baltimore and York Turnpike stock.....	5,000 00	
		177,937 66
UNPRODUCTIVE INVESTMENTS.		
4,000 shares of Western Maryland R. R. stock.....	$200,000 00	
Western Maryland R. R. Co's Mortgages, to secure endorsement and loan of city stock..	1,875,000 00	
Western Maryland R. R. Co. accrued interest advanced.....	2,493,000 00	
Philadelphia and Reading R. R. 3rd preference income bonds,	83,000 00	
10,000 shares Valley R. R. Company's stock.....	1,000,000 00	
120 shares Baltimore and Havre de Grace Turnpike stock.....	no value.	
		$5,651,000 00
		$13,132,560 74

INCREMENT OF THE SINKING FUNDS.

The increment of the sinking funds from December 31st, 1889, to December 31st, 1890, amounting to.....			$751,131 49
Was derived thus:			
From interest upon investments.....		$280,746 50	
From rent of Hillen Station $16,000 00			
Less amount set apart for sinking fund... 2,000 00			
		14,000 00	
From rent of Western Maryland Terminal Company's depot.. $9,181 47			
Less amount set apart for sinking fund... 1,311 60			
		7,869 87	
From the City Passenger Railway Companies.....		24,943 75	
From rental of real estate.....		25,364 75	
From premium on sales of stocks.....		28,827 00	
From amount of coupons paid in error		150 00	
From City Collector for Water 1926 loan sinking fund		12,488 66	
Amount carried forward.....		$394,390 53	

Amount brought forward....	$394,390 53	
From City Collector for Internal Improvement 1928 loan sinking fund	12,488 66	
From sale of 32,500 shares Baltimore and Ohio Railroad stock	3,250,000 00	
		3,656,879 19
From which deduct:		
For interest paid on Western Maryland Railroad 6 per cent. 1902 loan.....	60,000 00	
For interest paid on Western Maryland Railroad 6 per cent. 3d mortgage bonds.....	52,380 00	
For accrued interest on Internal Improvement 1928 loan paid.	3,650 00	
For premium on purchase of stock	107,781 07	
For redemption of overdue 6 per cent. stock.....	250 00	
For redemption of Water 1875 stock	200 00	
For redemption of Consolidated 1885 stock.....	681 08	
For redemption of Consolidated 1890 stock.....	2,151,762 65	
Amounts carried forward....	$2,376,704 80	$3,656,879 19

Amounts brought forward...	$2,376,704 80	$3,656,879 19
For redemption of Public Park 1890 stock.....	526,066 25	
For sundry expenses	2,976 65	
		$2,905,747 70
		$751,131 49

And disbursed as shown by Statement No. 1 of Appendix.

4—ENOCH PRATT FREE LIBRARY SINKING FUND.

This statement shows the condition of the Enoch Pratt Free Library Sinking Fund on December 31, 1890, under the control of the Commissioners of Finance, who are required "to invest the interest upon the investments in the sinking fund, and the interest upon the interest, as the same shall be received, in the public debt of the City of Baltimore, until the annual income from said investments shall reach the sum of fifty thousand dollars." (Article XXXVIII A, Section 8, Supplement to Baltimore City Code, 1885.)

5—THE HORWITZ BENEVOLENT FUND.

This statement shows the condition of the Horwitz Benevolent Fund, under the management of the Commissioners of Finance, who, on December 28, 1888, under authority of Resolution No. 7, of the Mayor and City Council of Baltimore, approved December 8, 1888, accepted from the executors of Orville Horwitz, late of Baltimore City, deceased, the sum of ten thousand dollars, which, with its increments, is, in the said last will and testament, directed to be known as the "Horwitz Benevolent Fund."

6—REAL ESTATE AND GROUND RENTS.

The schedule of real estate and ground rents presented in this form for convenience of reference, embraces only so much of the City property as is in control and shown upon the books of this Board, and from which income is derived from rentals.

The income derived from the public wharves and other valuable property being applied to current expenditures, does not appear in these accounts. (City Code, Article XLII, Section 14).

7.—THE FUNDED DEBT AND GUARANTEES.

These issues on December 31st, 1889, amounted to		$37,730,107 70
At the present date they amount to		31,083,787 06
Showing a decrease during the past fiscal year of.....		$6,646,320 64
Thus:		
Amount of overdue 6 per cent. stock of 1860 redeemed.....	250 00	
Amount of Water 6 per cent. stock of 1875 redeemed.....	200 00	
Amount of Consolidated 5 per cent. stock of 1885 redeemed.	681 08	
Amount of Consolidated 6 per cent. stock of 1890 redeemed.	2,151,762 65	
Amount carried forward.....	$2,152,893 73	

Amount brought forward....		$2,152,893 73	
Amount of Consolidated 6 per cent. stock of 1890 exchanged.		5,000,000 00	
Amount of Five-million 6 per cent. stock of 1890 redeemed.		4,964,460 66	
Amount of Public Park 6 per cent. stock of 1890 redeemed.		526,066 25	
Amount of Western Maryland Railroad bonds and scrip redeemed.....		2,900 00	
		$12,646,320 64	
Less:			
Amount of Water 4 per cent. 1926 loan issued....	$200,000 00		
Amount of Internal Improvement 3½ per ct. 1928 loan issued	800,000 00		
Amount of Consolidated 3½ per cent. 1930 loan issued.....	5,000,000 00		
		6,000,000 00	
			6,646,320 64

INCREASE OF FUNDED DEBT AUTHORIZED.

Jones' Falls Loan, by ordinance No. 12 of 1870	$28,000 00	
Water 1926 Loan, by ordinance No. 99 of 1887	200,000 00	
Internal Improvement Loan, by ordinance No. 98 of 1888	3,700,000 00	
		$3,928,000 00

THE FINANCIAL CONDITION OF THE CORPORATION.

Amount of funded debt December 31st, 1890	$30,091,787 06	
Amount of guaranteed debt December 31st, 1890	992,000 00	
		$31,083,787 06
Of this amount, interest is provided or paid as follows:		
Western Maryland Railroad Co. upon	2,388,000 00	
Water Board upon	10,300,000 00	
Park Board upon	200,000 00	
Union Railroad Company upon	117,000 00	
Commissioners of Finance upon	1,875,000 00	
Overdue stock, no interest allowed	224,641 34	
		15,104,641 34
Leaving the amount on which interest is paid by taxation at		$15,979,145 72

PRODUCTIVE INVESTMENTS.

Value of sinking funds		$7,303,623 08	
Mortgage on Western Maryland R. R. Co		1,704,000 00	
Mortgage on Union R. R. Co		117,000 00	
550 shares Baltimore and Reisterstown Turnpike stock		2,062 50	
137 shares Baltimore and Frederick Turnpike stock		456 66	
625 shares Baltimore and York Turnpike stock		5,000 00	
Real Estate, annual rental	$10,225 11		
Wharf property, annual rental	38,000 00		
Market Houses, annual rental	50,000 00		
	$98,225 11		
Capitalized at 6 per cent		$1,637,085 16	$10,769,227 40

UNPRODUCTIVE INVESTMENTS.

4,000 shares Western Maryland R. R. stock	$200,000 00	
Mortgages of Western Maryland R. R. Co. to secure endorsement and loan of City stock	1,875,000 00	
Amount carried forward	$2,075,000 00	

Amount brought forward...	$2,075,000 00	
Accrued interest advanced for W. M. R. R. Co.....	2,493,000 00	
83,000 Phila. and Reading R. R. 3rd mortgage preference income bonds.....	83,000 00	
10,000 shares Valley R. R. of Va. stock.....	1,000,000 00	
120 shares Baltimore & Havre de Grace Turnpike stock....	no value.	
		$5,651,000 00

The foregoing statement does not embrace any items connected with current receipts and expenditures, but refers only to the stock and bond liabilities of the corporation, and to investments specially set apart for the redemption of the same. The accounts now submitted for your consideration exhibit in detail all the transactions of the past fiscal year.

They show the receipts to have been.....		$10,367,013 52
and the disbursements to have been as follows:		
For investment purchases (see statement No. 2).....	$1,582,260 57	
For interest paid for W. M. R. R. Co.....	112,380 00	
Amounts carried forward....	$1,694,640 57	$10,367,013 52

Amounts brought forward....	$1,694,640 57	$10,367,013 52
For stocks taken for general Sinking Fund from Public Park Sinking Fund.....	678,100 00	
For redemption of loans.....	7,646,820 64	
For sundry expenses.....	2,976 65	
For accrued interest on Internal Improvement Loan.....	3,650 00	10,026,187 86
Balance, amount in bank to credit of funds.....		$340,825 66
The present value of the sinking fund is....		$7,303,623 08
The value of the same on December 31, 1889, was.....		6,552,491 59
Showing an increase during the past year of.....		$751,131 49

Sales of $800,000.00 Internal Improvement 3½ per cent. 1928 Loan were made during the year at a premium of $26,010.00.

A sale of $200,000.00 Water 4 per cent. 1926 Loan was made on October 25, 1890, to the Commissioners of Finance at par.

There was received on January 2, 1890, from the City Register $847,300.00, being the amount of Five Million Loan redeemable January 1, 1890, held by him in trust, as stated in last annual report of this Board, which amount, with that already received in 1889 from the Baltimore and

Ohio Railroad Company and the City Register, made up the total amount required for the redemption of the Five Million Loan to the Baltimore and Ohio Railroad Company, and said redemption commenced on January 2, 1890.

There was also received from E. R. Bacon, Esq., $3,250,000.00, being the proceeds of sale to him of 32,500 shares of Baltimore and Ohio Railroad stock at par. Of this amount, $943,453.78 was placed in the Sinking Fund for investment, as required by ordinance, and the balance applied to the redemption of $2,306,546.22 of the Consolidated 6 per cent. Loan, maturing July 1, 1890, said redemption beginning on that date. The balance ($5,000,000) of said loan was taken in exchange at par for the same amount of 3½ per cent. stock redeemable July 1, 1930, issued by authority of Ordinance No. 58, approved April 30, 1890, thus saving to the taxpayers, by the above-named redemption and exchange, the annual sum of $263,392.77 in interest.

Respectfully submitted,

ROBERT C. DAVIDSON, *Chairman.*
ENOCH PRATT,
W. W. SPENCE,
Commissioners of Finance.

JOHN A. ROBB,
Clerk to Commissioners of Finance.

APPENDIX.

STATEMENT

DR. *The Commissioners of Finance in account*

To balance, amount in bank to credit of the sinking funds, December 31, 1889		$4,256,154 96
To General Sinking Fund:		
From sales of fractions of stock	$ 705 84	
From sales of $10,900 Internal Improvement 1928 Loan.....	11,431 00	
From sales of 38,100 W. Md. R. R. 1927 Loan.....	38,570 75	
From sales of 7,400 Water 5 per cent. 1916 Loan.....	9,213 00	
From interest on stocks and investments.....	239,754 06	
From interest on overdue ground rent.....	18 09	
From rental of real estate.....	25,364 75	
From rental of Hillen Station.	14,000 00	
From rental of W. Md. R. R. Terminal Depot.....	7,869 87	
From Balto. & Ohio R. R. Co. for account of sale of Pittsburg & Connellsville R. R. Bonds.....	40,000 00	
From sale of 32,500 shares of Balto. & Ohio R. R. stock at par.....	3,250,000 00	
Amounts carried forward....	$3,636,927 36	$4,256,154 96

No. 1.

with the Mayor and City Council of Baltimore. Cr.

By General Sinking Fund.	
For fractions of City stock	$ 78 12
For $314,500 Internal Improvement 3½ per cent. 1928 Loan .	323,752 50
For $26,200 Consolidated 6 per cent. 1890 Loan	26,509 38
For $201,470 Public Park 6 per cent. 1890 Loan.....	203,982 70
For $82,500 Water 5 per cent. 1894 Loan.....	89,322 50
For $81,200 Water 5 per cent. 1916 Loan.....	104,739 75
For $8,200 Funding 5 per cent. 1916 Loan.....	10,595 25
For $138,500 Consolidated 3½ per cent. 1930 Loan	143,347 50
For $400 Western Maryland Railroad 6 per cent. 1902 Loan	495 00
For $200,000 Water 4 per cent. 1926 Loan.....	200,000 00
For $86,500 Western Maryland Railroad 6 per cent. 3d mortgage guaranteed bonds	103,903 75
For $678,100 of various loans taken from the Public Park Sinking Fund at par.....	678,100 00
Amount carried forward....	$1,884,826 45

STATEMENT

Dr. *The Commissioners of Finance in account*

Amounts brought forward...	$3,636,927 36	$4,256,154 96
From redemption of Five Million 1890 Loan.....	122,621 88	
From redemption of Consolidated 1890 Loan.....	184,071 26	
From redemption of Public Park 1890 Loan.....	211,879 54	
From National Mechanics' Bank for W. Md. R. R. 2d mortgage coupons paid in error.....	150 00	
		4,155,650 04
To Public Park Sinking Fund.		
From interest on stocks.....	$30,136 34	
From City Passenger Railway Company.....	4,481 26	
From North Baltimore Railway Company.....	3,435 40	
From Union Railway Company	10,091 88	
From Baltimore Traction Company.....	4,431 59	
From Central Railway Company.....	1,270 30	
From Highlandtown Railway Company.....	1,006 95	
From York Road Railway Company.....	226 37	
From redemption of Five-million 1890 Loan.....	83,000 00	
Amounts carried forward....	$138,080 09	$8,411,805 00

No. 1—Continued.

with the Mayor and City Council of Baltimore. CR.

Amount brought forward....	$1,884,826 45	
For redemption of overdue 6 per cent. 1860 stock.....	250 00	
For redemption of Water 6 per cent. 1875 stock.....	200 00	
For redemption of Consolidated 5 per cent. 1885 stock	681 08	
For redemption of Consolidated 6 per cent. 1890 stock	2,151,762 65	
For one year's interest on Western Maryland Railroad 6 per cent. 1902 Loan	60,000 00	
For one year's interest on Western Maryland Railroad 6 per cent. guaranteed bonds.....	52,380 00	
For printing report, books, advertising, &c.....	2,110 25	
For clerical services	300 00	
For sundry expenses	312 53	
		$4,152,822 96
By Public Park Sinking Fund:		
For $4,000 Park Improvement 6 per cent. 1895 Loan.....	$4,430 00	
For $9,400 Jones' Falls 3 65-100 1900 Loan.....	9,890 88	
For $95,100 Water 5 per cent. 1894 Loan.....	102,644 75	
Amounts carried forward....	$116,965 63	$4,152,822 96

STATEMENT

DR. *The Commissioners of Finance in account*

Amounts brought forward...		$138,080 09	$8,411,805 00
From redemption of Consolidated 1890 Loan		140,700 00	
From redemption of Public Park 1890 Loan.....		17,000 00	
From transfer of the following stocks to the general Sinking Fund:			
City Hall 6 per cent. 1900 Loan	$13,600 00		
Funding 6 per cent. 1900 Loan.....	1,700 00		
Western Maryland Railroad 6 per cent. 1902 Loan.....	11,300 00		
Park Improvement 6 per cent. 1895 Loan	20,000 00		
Consolidated 6 per cent. 1893 Loan...	154,500 00		
Jones' Falls 6 per cent. 1900 Loan. ..	1,300 00		
Exempt 6 per cent. 1893 Loan.....	900 00		
Jones' Falls 5 per cent. 1900 Loan...	95,000 00		
Water 5 per cent. 1894 Loan.....	193,600 00		
Funding 5 per cent. 1916 Loan.....	16,000 00		
Am'ts carried forw'd.	$507,900 00	$295,780 09	$8,411,805 00

No. 1—Continued.

with the Mayor and City Council of Baltimore. CR.

Amounts brought forward...	$116,965 63	$4,152,822 96
For $54,000 Water 5 per cent. 1916 Loan.....	68,510 00	
For $5,000 City Hall 6 per cent. 1900 Loan.....	6,112 50	
For $36,000 Water 4 per cent. 1926 Loan.....	40,945 00	
For $11,600 W. Md. R. R. 4 per cent. 1925 Loan.....	12,813 00	
For $100 Jones' Falls 3 per cent. 1900 Loan.....	98 25	
For redemption of Public Park 1890 Loan.....	526,066 25	
		771,510 63

Amount carried forward..... $4,924,333 59

STATEMENT

DR. *The Commissioners of Finance in account*

Am'ts brought f'w'd.	$507,900 00	$295,780 09	$8,411,805 00
Paving 4 per cent. 1920 Loan.....	31,000 00		
Harford Run 4 per cent. 1904 Loan...	1,700 00		
Water 4 per cent. 1926 Loan.....	41,000 00		
Western Maryland Railroad 4 per cent. 1925 Loan...	16,600 00		
Jones' Falls $3\frac{65}{100}$ per cent. 1900 Loan...	9,400 00		
Jones' Falls 3 per cent. 1900 Loan...	2,500 00		
Water 5 per cent. 1916 Loan.....	54,000 00		
Harford Run 4 per cent. 1920 Loan...	14,000 00		
		678,100 00	
			$973,880 09
To W. Md. R. R. 1925 *Loan Sinking Fund:*			
From interest on stock.....		2,467 50	
From redemption of Five Million 1890 Loan.....		4,700 00	
			7,167 50
To W. Md. R. R. 1927 *Loan Sinking Fund:*			
From interest on stocks.....			3,735 50
Amount brought forward.....			$9,396,588 09

No. 1—Continued.

with the Mayor and City Council of Baltimore. Cr.

Amount brought forward.....		$4,924,333 59
By Western Maryland Railroad 1925 Loan Sinking Fund.		
For $4,900 Water 5 per cent. 1916 Loan.....	$6,235 25	
For $500 Water 5 per cent. 1894 Loan.....	535 00	
For $2,400 Water 5 per cent. 1894 Loan.....	2,592 00	
		$9,362 25
By Western Maryland Railroad 1927 Loan Sinking Fund.		
For $1,000 Water 5 per cent. 1916 Loan.....	$1,272 50	
For $200 Water 5 per cent. 1894 Loan.....	214 00	
		1,486 50
Amount carried forward.....		$4,935,182 34

STATEMENT

DR. *The Commissioners of Finance in account*

Amount brought forward.....		$9,396,588 09
To W. Md. R. R. Ter. Co. Sinking Fund:		
From interest on stocks.....	494 00	
From redemption of Five Million 1890 Loan.....	300 00	
From W. Md. R. R. Co., one-seventh rent of depot.....	1,311 60	
		2,105 60
To Hillen Station Sinking Fund:		
From interest on stocks.....	1,797 50	
From redemption of Five Million 1890 Loan.....	600 00	
From W. Md. R. R. Co., one-eighth rent of station.....	2,000 00	
From redemption of Public Park 1890 Loan.....	500 00	
		4,897 50
To Water 1926 *Loan Sinking Fund.*		
From interest on stocks.....	$2,919 51	
From City Collector by tax levy	12,488 66	
		15,408 17
Amount carried forward.....		$9,418,999 36

No. 1.—Continued.

with the Mayor and City Council of Baltimore. CR.

Amount brought forward.....		$4,935,182 34
By Western Maryland Railroad Terminal Co. Sinking Fund.		
For $600 Water 5 per cent. 1916 Loan.....	$763 50	
For $600 Water 5 per cent. 1894 Loan.....	642 00	
For $500 Funding 6 per cent. 1900 Loan.....	607 50	
		2,013 00
By Hillen Station Sinking Fund.		
For $1,400 Water 5 per cent. 1916 Loan.....	$1,781 50	
For $1,500 Water 5 per cent. 1894 Loan.....	1,605 00	
For $1,200 Western Maryland Railroad 6 per cent. 1902 Loan	1,491 00	
		4,877 50
By Water 1926 *Loan Sinking Fund:*		
For $2,200 Water 5 per cent. 1916 Loan	$2,799 50	
For $8,300 Water 5 per cent. 1894 Loan	8,945 00	
For $100 Jones' Falls 5 per cent. 1900 Loan.....	112 75	
For $1,000 Consolidated 6 per cent. 1893 Loan.....	1,097 50	
For $1,400 Funding 6 per cent. 1900 Loan.....	1,701 00	
		14,655 75
Amount carried forward.....		$4,956,728 59

STATEMENT

Dr. *The Commissioners of Finance in account*

Amount brought forward.....		$9,418,999 36
To Internal Improvement 1928 *Loan Sinking Fund:*		
From interest on stocks	$1,715 50	
From City Collector by tax levy	12,488 66	
Premium on sales of $800,000 Internal Improvement 1928 Loan.....	26,010 00	
		40,214 16
To Horwitz Benevolent Fund.		
From interest on stock		509 00
Amount carried forward.....		$9,459,722 52

No. 1.—Continued.

with the Mayor and City Council of Baltimore. Cr.

Amount brought forward...		$4,956,728 59
By Internal Improvement 1928 *Loan Sinking Fund:*		
For $16,600 Water 5 per cent. 1916 Loan.....	$21,182 25	
For $7,100 Water 5 per cent. 1894 Loan	7,656 75	
For $2,000 Jones' Falls 6 per cent. 1900 Loan.....	2,450 00	
For $1,000 Harford Run 4 per cent. 1920 Loan.....	1,122 50	
For $865 Park Improvement 6 per cent. 1895 Loan.....	936 36	
For $5,100 City Hall 6 per cent. 1900 Loan.....	6,171 00	
For accrued interest paid Mayor and City Council on $500,000 Internal Improvement Loan.	3,650 00	
For advertising.....	253 87	
		43,422 73
By Horwitz Benevolent Fund.		
For $100 Water 5 per cent. 1916 Loan.....	$127 25	
For $300 Western Maryland Railroad 4 per cent. 1925 Loan	338 25	
		465 50
Amount carried forward.....		$5,000,616 82

STATEMENT

Dr. *The Commissioners of Finance in account*

Amount brought forward.....		$9,459,722 52
To Enoch Pratt Free Library Sinking Fund.		
From interest on stocks	$45,991 00	
From redemption of Five-million 1890 Loan.....	11,400 00	
From redemption of Public Park 1890 Loan.....	2,100 00	
		59,491 00
To Redemption of Five-million 1890 Loan to the Baltimore and Ohio Railroad Company.		
From City Register in trust for the Five-million Loan Sinking Fund.....		847,300 00
To Redemption of Western Maryland Railroad Bonds:		
From Western Maryland Railroad Company for the redemption of second mortgage bonds over-issued		500 00
		$10,367,013 52

No. 1—Concluded.

with the Mayor and City Council of Baltimore. Cr.

Amount brought forward.....		$5,000,616 82
By Enoch Pratt Free Library Sinking Fund:		
For $20,500 Water 5 per cent. 1916 Loan.....	$25,947 38	
For $2,100 Funding 5 per cent. 1916 Loan.....	2,652 75	
For $20,900 Water 5 per cent. 1894 Loan.....	22,447 50	
For $3,300 City Hall 6 per cent. 1900 Loan.....	4,009 50	
For $300 Funding 6 per cent. 1900 Loan.....	363 75	
For $300 Western Maryland Railroad 6 per cent. 1902 Loan	372 75	
For $1,700 Western Maryland 4 per cent. 1925 Loan.....	1,916 75	
		57,710 38
By Redemption of Five Million 1890 Loan to the Baltimore and Ohio Railroad Company:		
For redemption of stock.....		4,964,460 66
By Redemption of W. Md. R. R. Bonds.		
For redemption of bonds and scrip.....	2,900 00	
For redemption of 2d mortgage bond over-issued.....	500 00	
		$3,400 00
By balance, amount in bank December 31, 1890, to credit of Sinking Funds		340,825 66
		$10,367,013 52

STATEMENT No. 2.

"The Commissioners of Finance shall invest in City stock all moneys in their hands, or to their credit in bank, received for the sale or rent of City property, pledged for the redemption of the public debt; and shall also invest all moneys that may hereafter be received from the above-mentioned sources, as well as all interest accruing thereon, from time to time, and report to the City Council the amounts purchased, and the dates and prices at which they were purchased." (Article XLII, Section 13, City Code.)

Date.	Sinking Fund.	Amount Purchased.	Description of Stock.	Amount Paid.
1890.				
Jan. 2	Public Park.....	$ 4,000 00	Park Impt. 1895 6 per ct. Loan..	$ 4,430 00
" 7	" "	7,100 00	Jones' Falls 1900 $3\frac{65}{100}$ per ct. Loan..	7,481 63
" 8	" "	25,000 00	Water 1894 5 per ct. Loan.....	26,956 25
" 8	" "	11,600 00	W. Md. R. R. 1925 4 per ct. Loan.	12,813 00
" 14	" "	26,000 00	Water 1894 5 per ct. Loan.....	28,150 00
" 15	" "	3,000 00	" 1916 5 per ct. Loan.....	3,787 50
" 16	" "	5,000 00	City Hall 1900 6 per ct. Loan....	6,112 50
" 16	" "	4,600 00	Water 1894 5 per ct. Loan.....	4,991 00
" 16	" "	3,000 00	" 1916 5 per ct. Loan.....	3,802 50
" 18	" "	7,500 00	" 1894 5 per ct. Loan.....	8,137 50
" 20	Pratt Library.....	1,200 00	" 1916 5 per ct. Loan.....	1,516 50
" 21	" "	4,000 00	" 1894 5 per ct. Loan.....	4,340 00
" 21	" "	300 00	Funding 1916 5 per ct. Loan.....	380 25
" 21	" "	8,300 00	Water 1916 5 per ct. Loan.....	10,520 25
" 22	" "	2,100 00	" 1894 5 per ct. Loan.....	2,278 50

Jan. 22	Pratt Library	4,100 00	Water 1916 5 per ct. Loan		5,196 75
" 27	W. Md 1925 Loan	4,900 00	" 1916 5 per ct. Loan		6,235 25
" 27	Hillen Station	1,400 00	" 1916 5 per ct. Loan		1,781 50
" 28	Inter. Impt. Loan	2,100 00	" 1916 5 per ct. Loan		2,672 25
" 28	Water 1926 Loan	2,200 00	" 1916 5 per ct. Loan		2,799 50
" 28	W. Md. 1927 Loan	1,000 00	" 1916 5 per ct. Loan		1,272 50
" 28	W. Md. Ter. Co.	600 00	" 1916 5 per ct. Loan		763 50
" 28	Horwitz Benev. Fund	100 00	" 1916 5 per ct. Loan		127 25
" 28	General	30 00	Consolidated 1890 6 per ct. Loan.		30 00
Feb. 1	Water 1926 Loan	100 00	Jones' Falls 1900 5 per ct. Loan.		112 75
" 17	General	30 00	Consolidated 1890 6 per ct. Loan.		30 00
Mar. 5	Public Park	4,000 00	Water 1916 5 per ct. Loan		5,090 00
" 15	General	245,000 00	Inter. Impt. 1928 3½ per ct. Loan.		251,125 00
" 24	Inter. Impt. Loan	8,000 00	Water 1916 5 per ct. Loan		10,173 75
May 3	General	14,500 00	Consolidated 1890 6 per ct. Loan.		14,663 13
" 6	"	10,000 00	" 1890 6 per ct. Loan.		10,125 00
" 7	"	1,700 00	" 1890 6 per ct. Loan.		1,721 25
" 31	Pratt Library	2,000 00	Water 1894 5 per ct. Loan		2,125 00
June 2	Pratt Library	8,000 00	" 5 per ct. 1894 Loan		8,520 00
" 12	Water 1926 Loan	1,000 00	" 5 per ct. 1894 "		1,070 00
" 12	" 1926 "	1,000 00	Consolidated 6 per ct. 1893 Loan.		1,097 50
" 12	W. Md. 1925 "	500 00	Water 5 per ct. 1894 Loan		535 00
" 12	" 1927 "	200 00	" 5 per ct. 1894 "		214 00
" 12	Hillen Station	1,500 00	" 5 per ct. 1894 "		1,605 00
" 12	W. Md. Ter. Co.	600 00	" 5 per ct. 1894 "		642 00
	Am'ts carried for'd.	$427,260 00			$455,425 26

STATEMENT No 2—Continued.

DATE.	SINKING FUND.	AMOUNT PURCHASED.	DESCRIPTION OF STOCK.	AMOUNT PAID.
1890.				
	Am'ts broug't for'd.	$427,260 00		$455,425 26
Jun. 16	Water 1926 Loan...	1,200 00	Water 5 per ct. 1894 Loan.....	1,287 00
" 16	Inter. Impt. Loan...	1,500 00	" 5 per ct. 1894 "	1,608 75
" 21	Public Park.....	5,000 00	" 5 per ct. 1894 "	5,362 50
" 23	" "	10,000 00	" 5 per ct. 1894 "	10,725 00
July 1	General	89,100 00	Public Park 6 per ct. 1890 Loan..	90,213 75
" 3	"	110,100 00	" 6 per ct. 1890 " ..	111,476 25
" 7	"	1,170 00	" 6 per ct. 1890 " ..	1,181 70
" 10	"	1,100 00	" 6 per ct. 1890 " ..	1,111 00
" 15	Public Park.....	800 00	Water 5 per ct. 1894 Loan.	860 00
" 15	" "	2,300 00	Jones Falls 3 $\frac{65}{100}$ per ct. 1900 Loan.	2,409 25
" 15	" "	100 00	" 3 per ct. 1900 Loan..	98 25
" 16	" "	40,000 00	Water 5 per ct. 1916 Loan.....	50,700 00
" 17	General	16,000 00	" 5 per ct. 1894 Loan.....	17,240 00
" 17	"	1,200 00	Funding 5 per ct. 1916 Loan.....	1,521 00
" 17	"	700 00	Water 5 per ct. 1916 Loan.....	887 25
" 17	Public Park.....	10,000 00	" 5 per ct. 1894 "	10,750 00
" 18	" "	35,000 00	" 4 per ct. 1926 "	39,812 50
" 18	General	13,700 00	" 5 per ct. 1916 "	17,399 00
" 18	"	300 00	" 5 per ct. 1916 "	381 00

July	26	Public Park.....	400 00	Water 5 per ct. 1894 Loan.....	432 00
"	28	General	138,000 00	Consolidated 3½ per ct. 1930 Loan.	142,830 00
"	28	"	500 00	" 3½ per ct. 1930 Loan.	517 50
"	28	Public Park.....	1,000 00	Water 4 per ct. 1926 Loan.....	1,132 50
"	30	W. Md. 1925 Loan..	2,400 00	" 5 per ct. 1894 "	2,592 00
"	30	General	31,500 00	" 5 per ct. 1894 "	34,020 00
"	30	Inter. Impt. Loan...	5,600 00	" 5 per ct. 1894 "	6,048 00
"	30	Pratt Library.....	4,800 00	" 5 per ct. 1894 "	5,184 00
"	30	Water 1926 Loan...	6,100 00	" 5 per ct. 1894 "	6,588 00
"	31	General	11,300 00	" 5 per ct. 1916 "	14,492 25
Aug.	2	Public Park.....	5,000 00	" 5 per ct. 1894 "	5,412 50
"	6	" "	4,000 00	" 5 per ct. 1916 "	5,130 00
"	22	General	400 00	W. Md. 6 per ct. 1902 "	495 00
"	27	Public Park.....	800 00	Water 5 per cent. 1894 Loan.....	868 00
"	28	General	4,500 00	W. M. R. R. guar. 6 p. ct. 1900 Bonds	5,366 25
Sept.	3	"	3,700 00	Funding 5 per cent. 1916 Loan...	4,800 75
"	3	"	12,000 00	Water 5 per ct. 1916 Loan.....	15,570 00
"	3	"	9,000 00	W. M. R. R. guar. 6 p. ct. 1900 Bonds	10,755 00
"	3	"	21	Consolidated 3½ per ct. 1930 Loan.	21
"	4	"	3,500 00	Water 5 per cent. 1916 Loan.....	4,541 25
"	5	"	50,000 00	W. M. R. R. guar. 6 p. ct. 1900 Bonds	60,125 00
"	5	"	23,000 00	" " " 6 p. ct. 1900 "	27,657 50
"	5	"	8,000 00	Water 5 per ct. 1916 Loan.....	10,380 00
"	8	"	3,000 00	Funding 5 per ct. 1916 Loan.....	3,892 50
"	8	"	12,000 00	Water 5 per ct. 1916 Loan.....	15,570 00
		Am'ts carried for'd..	$1,107,230 21		$1,204,849 67

STATEMENT No. 2—Continued.

DATE.	SINKING FUND.	AMOUNT PURCHASED.	DESCRIPTION OF STOCK.	AMOUNT PAID.
1890.				
	Am'ts broug't for'd.	$1,107,030 21		$1,204,849 67
Sept. 8	General	20,000 00	Water 5 per ct. 1916 Loan.....	25,900 00
Oct. 3	"	69,500 00	Inter. Impt. 3½ per ct. 1928 Loan.	72,627 50
" 10	Inter. Impt. Loan...	6,000 00	Water 5 per ct. 1916 Loan.....	7,695 00
" 10	" " " ...	2,000 00	Jones' Falls 6 per ct. 1900 Loan.	2,450 00
" 10	" " " ...	1,000 00	Harford Run 4 per ct. 1920 Loan.	1,122 50
" 10	" " " ...	865 00	Park Impt. 6 per ct. 1895 Loan..	936 36
" 11	" " " ...	4,100 00	City Hall 6 per ct. 1900 Loan....	4,961 00
" 11	General	35,000 00	Water 5 per ct. 1894 Loan.....	38,062 50
" 14	Inter. Impt. Loan...	1,000 00	City Hall 6 per ct. 1900 Loan....	1,210 00
" 14	" " " ...	500 00	Water 5 per ct. 1916 Loan.....	641 25
" 16	Pratt Library	3,300 00	City Hall 6 per ct. 1900 Loan....	4,009 50
" 17	" "	300 00	Funding 6 per ct. 1900 Loan.....	363 75
" 22	" "	300 00	W. Md. 6 per ct. 1902 Loan.....	372 75
" 22	Hillen Station.....	1,200 00	" 6 per ct. 1902 "	1,491 00
" 28	W. Md. Ter. Co.....	500 00	Funding 6 per ct. 1900 Loan.....	607 50
" 28	Water 1926 Loan...	1,400 00	" 6 per ct. 1900 "	1,701 00
" 25	General	200,000 00	Water 4 per ct. 1926 Loan.....	200,000 00
Nov. 1	Pratt Library.....	1,800 00	Funding 5 per ct. 1916 Loan.....	2,272 50
" 1	" "	4,300 00	Water 5 per ct. 1916 Loan.....	5,428 75

Nov. 1	Pratt Library.....	1,700 00	W. Md. 4 per ct. 1925 Loan.....	1,916 75
" 1	Horwitz Benev.....	300 00	" 4 per ct. 1925 "	338 25
" 3	Pratt Library.....	500 00	Water 5 per ct. 1916 Loan.....	631 25
" 5	" "	2,100 00	" 5 per ct. 1916 "	2,653 88
" 22	General	17 91	Consolidated 3½ per ct. 1930 Loan	17 91
		$1,464,713 12		$1,582,260 57

STATEMENT No. 2—Concluded.

RECAPITULATION.

DATE.	SINKING FUND.	AMOUNT PURCHASED.	DESCRIPTION OF STOCK.	AMOUNT PAID.
1890.				
Dec. 31	General	$ 314,570 00	Six per cent. loans	$334,890 83
" 31	"	171,900 00	Five per cent. loans	204,657 50
" 31	"	200,000 00	Four per cent. loans	200,000 00
" 31	"	453,000 00	Three $\frac{50}{100}$ per cent. loans	467,100 00
" 31	"	78 12	Fractions	78 12
" 31	Public Park	9,000 00	Six per cent. loans	10,542 50
" 31	" "	149,100 00	Five per cent. loans	171,154 75
" 31	" "	47,600 00	Four per cent. loans	53,758 00
" 31	" "	9,400 00	Three $\frac{65}{100}$ per cent. loans	9,890 88
" 31	" "	100 00	Three per cent. loans	98 25
" 31	Hillen Station	1,200 00	Six per cent. loans	1,491 00
" 31	" "	2,900 00	Five per cent. loans	3,386 50
" 31	W. Md. Ter. Co.	500 00	Six per cent. loans	607 50
" 31	" " "	1,200 00	Five per cent. loans	1,405 50
" 31	Water 1926 Loan	2,400 00	Six per cent. loans	2,798 50
" 31	" " "	10,600 00	Five per cent. loans	11,857 25
" 31	W. Md. 1925 "	7,800 00	Five per cent. loans	9,362 25
" 31	" 1927 "	1,200 00	Five per cent. loans	1,486 50

Dec. 31	Inter. Impt. Loan	7,965 00	Six per cent. loans	9,557	36
" 31	" " "	23,700 00	Five per cent. loans	28,839	00
" 31	" " "	1,000 00	Four per cent. loans	1,122	50
" 31	Horwitz Benev. Fund	100 00	Five per cent. loans	127	25
" 31	" " "	300 00	Four per cent. loans	338	25
" 31	Pratt Library	3,900 00	Six per cent. loans	4,746	00
" 31	" "	43,500 00	Five per cent. loans	51,047	63
" 31	" "	1,700 00	Four per cent. loans	1,916	75
		$1,464,713 12		$1,582,260	57

STATEMENT No. 3.

Condition of Sinking Funds December 31, 1890.

General Sinking Fund:

City Hall 6 per cent. 1900 Loan.	$70,200 00	
City Hall 6 per cent. 1902 Loan.	13,400 00	
Funding 6 per cent. 1900 Loan.	136,300 00	
Western Maryland Railroad 6 per cent. 1902 Loan	32,500 00	
Park Improvement 6 per cent. 1895 Loan.....	92,158 80	
Consolidated 6 per cent. 1893 Loan.....	1,404,841 38	
Exempt 6 per cent. 1893 Loan..	1,253 87	
Jones' Falls 6 per cent. 1900 Loan.....	6,400 00	
		$1,757,054 05
Water 5 per cent. 1894 Loan ...	$671,400 00	
Water 5 per cent. 1916 Loan ...	135,200 00	
Jones' Falls 5 per cent. 1900 Loan.....	215,500 00	
Funding 5 per cent. 1916 Loan.	24,200 00	
		1,046,300 00
Harford Run 4 per cent. 1920 Loan.....	$50,000 00	
Western Maryland Railroad 4 cent. 1925 Loan.....	125,800 00	
Amounts carried forward....	$175,800 00	$2,803,354 05

STATEMENT No. 3—Continued.

Amounts brought forward....	$175,800 00	$2,803,354 05
Patterson Park 4 per cent. 1920 Loan.....	5,000 00	
Water 4 per cent. 1926 Loan....	441,000 00	
Paving 4 per cent. 1920 Loan...	31,000 00	
Harford Run 4 per cent. 1904 Loan.....	1,700 00	
		654,500 00
Jones' Falls $3\frac{65}{100}$ per cent. 1900 Loan.....		9,400 00
Jones' Falls $3\frac{1}{2}$ per cent. 1900 Loan.....	$160,000 00	
Internal Improvement $3\frac{1}{2}$ per cent. 1928 Loan.....	303,600 00	
Consolidated $3\frac{1}{2}$ per cent. 1930 Loan.....	163,596 34	
		627,196 34
Western Maryland Railroad $3\frac{1}{4}$ per cent. 1927 Loan.....		661,600 00
Jones' Falls 3 per cent. 1900 Loan.....		51,000 00
Union Railroad 6 per cent. 1st mortgage guaranteed bonds..		87,500 00
Western Maryland Railroad 6 per cent. 1st mortgage guaranteed bonds.....		43,500 00
Amount carried forward.....		$4,938,050 39

STATEMENT No. 3—Continued.

Amount brought forward....		$4,938,050 39
Western Maryland Railroad 6 per cent. 3d mortgage guaranteed bonds (registered).....		234,000 00
Western Maryland Railroad 6 per cent. 3d mortgage guaranteed bonds (coupon).....		77,500 00
Western Maryland Railroad 6 per cent. 2d preferred mortgage guaranteed bonds (coupon)		178,500 00
Western Maryland Railroad funding certificates		226,530 00
Western Maryland Railroad unendorsed coupons off 1st mortgage bonds		71,742 00
Obligation of Baltimore and Ohio Railroad Company, received for claim against the Pittsburg and Connellsville Railroad Company, as authorized by Ordinance No. 47 of 1875.....	$1,000,000 00	
Less amount paid by Baltimore and Ohio Railroad Company on account of said claim	600,000 00	400,000 00
Amount carried forward		$6,126,322 39

STATEMENT No. 3—Continued.

Amount brought forward...		$6,126,322 39
Hillen Station property.....	$200,000 00	
Less amount of Sinking Fund for the repayment of the cost thereof	37,484 28	
		162,515 72
Amount invested in depot of the Western Maryland Railroad Terminal Company, as per ordinance No. 92 of 1882.....	$131,163 81	
Less amount of Sinking Fund set apart for the repayment of same.....	10,616 81	
		120,547 00
Ground rents, purchase of which was authorized by ordinance No. 81 of 1881.....		268,235 27
Cash		89,879 14
		$6,767,499 52
Public Park Sinking Fund:		
Cash		$209,307 90
Western Maryland Railroad 1925 *Loan Sinking Fund:*		
City Hall 6 per cent. 1900 Loan.	$3,300 00	
" " 6 per cent. 1902 "	2,700 00	
Amount carried forward.....	$6,000 00	

STATEMENT No. 3—Continued.

Amount brought forward....	$6,000 00	
Funding 6 per cent. 1900 Loan.	2,000 00	
Western Maryland Railroad 6 per cent. 1902 Loan.....	2,600 00	
Jones' Falls 6 per cent. 1900 Loan.....	100 00	
		10,700 00
Western Maryland Railroad 6 per cent. third mortgage guaranteed bond.....		500 00
Water 5 per cent. 1916 Loan....	$4,900 00	
" 5 per cent. 1894 "	2,900 00	
		7,800 00
Western Maryland Railroad 4 per cent. 1925 Loan.....		21,800 00
Consolidated 3½ per cent. 1930 Loan.....		11,900 00
		$52,700 00
Less amount over-invested.....		1,466 35
		$51,233 65
Western Maryland Railroad 1927 *Loan Sinking Fund:*		
City Hall 6 per cent. 1900 Loan.	$ 700 00	
City Hall 6 per cent. 1902 Loan.	400 00	
Funding 6 per cent. 1900 Loan..	700 00	
Amount carried forward.....	$1,800 00	

STATEMENT No. 3—Continued.

Amount brought forward....	$1,800 00	
Jones' Falls 6 per cent. 1900 Loan.....	100 00	
W. Md. R. R. 6 per cent. 1902 Loan.....	1,500 00	
		$3,400 00
W. Md. R. R. 6 per cent. third mortgage guaranteed bonds..		2,500 00
Water 5 per cent. 1916 Loan....	$1,000 00	
Water 5 per cent. 1894 Loan....	200 00	
		1,200 00
W. Md. R. R. 3¼ per cent. 1927 Loan.....		100,000 00
Consolidated 3½ per cent. 1930 Loan.....		1,700 00
Cash.....		1,862 25
		$110,662 25
Western Maryland Railroad Terminal Company Sinking Fund:		
Consolidated 6 per cent. 1893 Loan.....	$ 100 00	
City Hall 6 per cent. 1900 Loan.	1,000 00	
City Hall 6 per cent. 1902 Loan.	100 00	
W. Md. R. R. 6 per cent. 1902 Loan.....	1,100 00	
Amount carried forward.....	$2,300 00	

STATEMENT No. 3—Continued.

Amount brought forward....	$2,300 00	
Funding 6 per cent. 1900 Loan.	1,000 00	
Jones' Falls 6 per cent. 1900 Loan..... ..	300 00	
		$3,600 00
W. Md. R. R. 6 per cent. third mortgage guaranteed bonds..		1,000 00
Water 5 per cent. 1916 Loan....	$1,600 00	
Water 5 per cent. 1894 Loan....	600 00	
		2,200 00
Consolidated 3½ per cent. 1930 Loan.....		3,300 00
Cash.....		516 81
		$10,616 81
Hillen Station Sinking Fund:		
City Hall 6 per cent. 1900 Loan.	$2,900 00	
Consolidated 6 per cent. 1893 Loan.....	100 00	
Western Maryland Railroad 6 per cent. 1902 Loan.....	4,400 00	
Funding 6 per cent. 1900 Loan.	1,000 00	
Jones' Falls 6 per cent. 1900 Loan.....	400 00	
Park Improvement 6 per cent. 1895 Loan.....	1,000 00	
		$9,800 00
Amount carried forward.....		$9,800 00

STATEMENT No. 3—Continued.

Amount brought forward....		$9,800 00
Western Maryland Railroad 6 per cent. third mortgage guaranteed bonds.....		500 00
Jones Falls 5 per cent. 1900 Loan	$8,000 00	
Water 5 per cent. 1894 Loan....	7,100 00	
Funding 5 per cent. 1916 Loan.	1,900 00	
Water 5 per cent. 1916 Loan....	1,700 00	
		18,700 00
Paving 4 per cent. 1920 Loan...		3,000 00
Consolidated 3½ per cent. 1930 Loan		4,500 00
Cash		984 28
		$37,484 28

Water 1926 *Loan Sinking Fund:*

City Hall 6 per cent. 1900 Loan.	$2,300 00	
" " 6 per cent. 1902 "	1,900 00	
Funding 6 per cent. 1900 "	16,400 00	
Jones' Falls 6 per cent. 1900 "	400 00	
Consolidated 6 per cent. 1893 Loan	1,000 00	
		$22,000 00
Water 5 per cent. 1894 Loan....	$12,400 00	
" 5 per cent. 1916 "	2,200 00	
Amounts carried forward.....	$14,600 00	$22,000 00

STATEMENT No. 3—Continued.

Amounts brought forward....	$14,600 00	$22,000 00
Jones' Falls 5 per cent. 1900 Loan.....	100 00	
		14,700 00
Consolidated 3½ per cent. 1930 Loan.....		25,300 00
Western Maryland Railroad 3¼ per cent. 1927 Loan		1,500 00
Cash.....		3,016 12
		$66,516 12
Internal Improvement Loan Sinking Fund:		
Jones' Falls 6 per cent. 1900 Loan.....	$ 900 00	
Funding 6 per cent. 1900 Loan.	2,400 00	
City Hall 6 per cent. 1900 Loan.	5,900 00	
Park Impt. 6 per cent. 1895 Loan.....	865 00	
		$10,065 00
Water 5 per cent. 1916 Loan....	$18,400 00	
Funding 5 per cent. 1916 Loan.	5,800 00	
Water 5 per cent. 1894 Loan...	7,100 00	
Jones' Falls 5 per cent. 1900 Loan.....	2,000 00	
		$33,300 00
Amount carried forward.....		$43,365 00

STATEMENT No. 3—Continued.

Amount brought forward.....	$43,365 00
Harford Run 4 per cent. 1920 Loan.....	1,000 00
W. Md. R. R. 3¼ per cent. 1927 Loan.....	6,600 00
	$50,965 00
Less amount over-invested	662 45
	$50,302 55

STATEMENT No. 3—Concluded.

RECAPITULATION.

General Sinking Fund	$6,767,499 52
Public Park Sinking Fund	209,307 90
W. Md. R. R. 1925 Loan Sinking Fund	51,233 65
W. Md. R. R. 1927 Loan Sinking Fund	110,662 25
W. Md. R. R. Terminal Co. Sinking Fund	10,616 81
Hillen Station Sinking Fund	37,484 28
Water 1926 Loan Sinking Fund	66,516 12
Internal Improvement Loan Sinking Fund	50,302 55
	$7,303,623 08

STATEMENT No. 4.

Condition of Enoch Pratt Free Library Sinking Fund, held in trust by the Commissioners of Finance, as per Ordinance No. 64 of 1883, on December 31st, 1890.

Funding 6 per cent. 1900 Loan.	$5,900 00	
City Hall 6 per cent. 1900 Loan	18,600 00	
City Hall 6 per cent. 1902 Loan	4,500 00	
Western Maryland Railroad 6 per cent. 1902 Loan	7,600 00	
Consolidated 6 per cent. 1893 Loan.....	5,400 00	
Park Improvement 6 per cent. 1895 Loan	700 00	
Jones' Falls 6 per cent. 1900 Loan.....	7,900 00	
		$50,600 00
Western Maryland Railroad 6 per cent. 3d mortgage guaranteed bonds.....		10,000 00
Water 5 per cent. 1916 Loan ...	$54,300 00	
Funding 5 per cent. 1916 Loan..	2,500 00	
Jones' Falls 5 per cent. 1900 Loan.....	78,500 00	
Water 5 per cent. 1894 Loan ...	20,900 00	
		156,200 00
Paving 4 per cent. 1920 Loan ..	$62,300 00	
Patterson Park 4 per cent. 1920 Loan.....	195,000 00	
Amounts carried forward.....	$257,300 00	$216,800 00

STATEMENT No. 4– Concluded.

Amounts brought forward.....	$257,300 00	$216,800 00
Water 4 per cent. 1922 Loan ...	500,000 00	
Western Maryland Railroad 4 per cent. 1925 Loan.....	1,700 00	
		759,000 00
Consolidated 3½ per cent. 1930 Loan.....		111,700 00
Cash.....		1,780 57
		$1,089,280 57

STATEMENT No. 5.

Condition of the Horwitz Benevolent Fund, held by the Commissioners of Finance, as per Resolution No. 7, of the Mayor and City Council of Baltimore, approved December 7, 1888, on December 31, 1890.

Funding 6 per cent. 1900 Loan.....	$1,800 00	
City Hall 6 per cent. 1900 Loan....	1,300 00	
W. Md. R. R. 6 per cent. 1902 Loan.	5,300 00	
		$8,400 00
Water 5 per cent. 1916 Loan.....		100 00
W. Md. R. R. 4 per cent. 1925 Loan.		300 00
Cash.....		46 50
		$8,846 50

STATEMENT No. 6.

A Schedule of Real Estate and Ground Rents upon the Books of the Commissioners of Finance.

LESSEES.	LOCATION OF LOTS.	ANNUAL RENTAL.
Swain & Banks	Nos. 9, 10, 11 and 12 President street	$452 25
C. S. Maltby	Nos. 24, 25, 26, 27, 28, 29 and 30 south side Block street	910 88
C. S. Maltby	Nos. 5, 6, 7 and 8 north side of Block street	293 60
Sisters of Mercy	Calvert Street Spring lot	1,000 00
Baltimore and Philadelphia Steamboat Co	200 feet of Pratt-street wharf	3,600 00
Platt & Co	Fish house property, south side of basin	1,457 00
John G. Huck	Light street, corner Weyler street	75 70
Wilson & Hunting	Nos. 5, 6, 7 and 8 west side President street	502 50
George Hickman	Southwest corner Fayette and Arch streets	52 00
Boys' Home Society	Northwest corner Calvert & Pleasant streets.	50 00
James Clark & Co	City Yard property	497 25
Baltimore Dredging Co	City Yard property	480 00
E. S. Sanble	Battery avenue	157 50
Joseph Kaufman	Nos. 1, 2, 3, 4, 5 and 6 Weyler street.	150 00
Wm. Groscup	No. 7 Weyler street	33 60

John F. Weyler	No. 8 " "		19 20
James Baumgarten	No. 9 " "		26 32
William Kleinhenn	No. 10 " "		26 32
Anton Young	Nos. 11 and 12 Weyler strreet		52 64
Charles N. Oehm	No. 13 Weyler street		26 32
H. Klasmeier	No. 14 " "		25 48
Catherine Karch	No. 15 " "		26 32
N. Thomas & Co.	Nos. 17 and 18 Weyler street		52 64
F. Kull	No. 19 Weyler street		19 20
George Wimmer	No. 20 " "		20 32
E. Snellenberg	Nos. 21 and 22 Weyler street		54 49
J. A. J. Goetz	No. 23 Weyler street		29 60
August Pfeil	No. 25 " "		29 60
F. Schott	No. 29 " "		26 32
August Pfeil	Southwest corner Light and Weyler streets		78 06
			$10,225 11

Ground rents purchased by authority of Ordinance No. 81, of 1881.

Comm'ers Public Schools	Hollins and Monroe streets	$ 750 00	
" " "	Howard and Little Montgomery sts.	120 10	
" " "	Pennsylvania ave. and Robert st...	86 00	
" " "	Park avenue near Preston street...	549 00	
	Amounts carried forward.....	$1,505 10	$10,225 11

STATEMENT No. 6—Concluded.

Lessees.	Location of Lots.		ANNUAL RENTAL.
	Amounts brought forward.....	$1,505 10	$10,225 11
Comm'ers Public Schools...	Waesche street near Fremont street.	480 00	
" " " ...	Castle street	209 25	
" " " ...	Hanover and Lee streets	210 00	
" " " ...	Sharp and West streets	570 00	
" " " ...	Argyle avenue near Lanvale street..	120 00	
" " " ...	Hull and Clement streets	350 00	
" " " ...	Linden avenue and Wilson street...	840 00	
" " " ...	Charles and Ostend streets.....	372 50	
" " " ...	Ann and Chase streets.....	501 75	
" " " ...	Howard st., opposite Centre st.....	1,000 00	
" " " ...	Preston and Eden streets.....	80 00	
" " " ...	Broadway and Bank street.....	200 00	
" " " ...	Mosher and Gilmor streets.....	757 00	
Mayor and City Council	Monument and Chester streets.....	1,200 00	
" " " "	Collington Square	960 00	
" " " "	Perkins' Spring Square.....	2,052 00	
" " " "	Riverside Park	3,770 62	

Mayor and City Council....	Holliday and Fayette streets	56 00	
" " " "	Lexington and Paca streets	228 00	
	(Purchased at a cost of $268,235.27)		15,462 12
			$25,687 23

STATEMENT NO. 7.

Funded Debt December 31st, 1890

Name of Loan.	Rate.	When Redeemable.	Amount.
Exempt	6 per cent.	At pleasure after Sept. 1, 1893	$ 410,353 87
Water	6 " "	" " " July 1, 1894	263,000 00
"	5 " "	" " " July 1, 1894	3,737,000 00
"	5 " "	" " " July 1, 1916	5,000,000 00
"	4 " "	" " " Nov. 1, 1922	500,000 00
"	4 " "	" " " Nov. 1, 1926	800,000 00
Funding	6 " "	" " " July 1, 1900	800,000 00
"	5 " "	" " " July 1, 1916	1,000,000 00
Harford Run Improvement	4 " "	" " " Jan. 1, 1920	250,000 00
Paving	4 " "	" " " Nov. 1, 1920	500,000 00
Consolidated	$3\frac{1}{2}$ " "	" " " July 1, 1930	5,000,000 00
"	6 " "	September 1, 1893	2,211,068 05
Park Improvement	6 " "	January 1, 1895	185,723 80
Jones Falls	6 " "	April 9, 1900	800,000 00
" "	5 " "	" 9, 1900	957,000 00
" "	$3\frac{65}{100}$ per ct.	" 9, 1900	455,000 00
" "	$3\frac{1}{2}$ per cent.	" 9, 1900	160,000 00
" "	3 " "	" 9, 1900	100,000 00
City Hall	6 " "	" 15, 1900	1,000,000 00
" "	6 " "	March 7, 1902	500,000 00

Western Maryland Railroad	6 per cent.	January 1, 1902		1,000,000 00
" " "	4 " "	July 1, 1925		684,000 00
" " "	3½ " "	January 1, 1927		1,704,000 00
Internal Improvement	3½ " "	July 1, 1928		1,300,000 00
Harford Run Sewer	4 " "	November 3, 1904		350,000 00
Patterson Park Extension	4 " "	October 1, 1920		200,000 00
Overdue Stock	6 " "	No interest allowed		482 00
Water, 1875	6 " "	" " "		740 00
One Million, 1886	6 " "	" " "		1,730 50
Consolidated, 1885	5 " "	" " "		1,844 38
" 1890	6 " "	" " "		154,783 57
Five Million, 1890	6 " "	" " "		35,560 89
Public Park, 1890	6 " "	" " "		29,500 00
				$30,091,787 06

GUARANTEED DEBT:

Endorsement of W. Md. R. R. third mortgage bonds	$875,000 00	
" " Union R. R. first " "	117,000 00	
		992,000 00
Total funded and guaranteed debt		$31,083,787 06

STATEMENT No. 8.

Balance Sheet of Sinking Funds' Ledger December 31st, 1890.

	Dr.	Cr.
General Sinking Fund.....		$89,879 14
Public Park Sinking Fund.....		209,307 90
Western Maryland R. R. 1925 Loan Sinking Fund.....	$1,466 35	
Western Maryland R. R. 1927 Loan Sinking Fund.		1,862 25
Western Maryland R. R. Terminal Co. Sinking Fund.....		516 81
Hillen Station Sinking Fund...		984 28
Water 1926 Loan Sinking Fund.		3,016 12
Inter. Impt. Loan Sinking Fund	662 45	
Enoch Pratt Free Library Sinking Fund.....		1,780 57
Horwitz Benevolent Fund.....		46 50
Redemption of Five Million Loan.....		35,560 89
Balance.....	340,825 66	
	$342,954 46	$342,954 46

STATEMENT No. 9.

Indebtedness of the Western Maryland Railroad Company to the Mayor and City Council of Baltimore, December 31, 1890.

First Mortgage Bonds due January 1, 1890, held by the Commissioners of Finance..	$ 43,500 00	
Interest thereon from July 1, 1889, to date.....	3,915 00	
		$ 47,415 00
Second Preferred Mortgage Bonds, held by the Commissioners of Finance.....	$178,500 00	
Interest thereon from July 1, 1889, to date.....	16,065 00	
		$194,565 00
Accrued interest to January 1, 1887, on the Second Mortgage endorsement.....		333,000 00
Third Mortgage endorsement...	$875,000 00	
Interest thereon to December 31, 1890.....	1,050,000 00	
		$1,925,000 00
Fourth Mortgage, to secure loan of City stock.....	$1,000,000 00	
Interest thereon to December 31, 1890.....	1,110,000 00	
		$2,110,000 00
Amount carried forward.....		$4,609,980 00

STATEMENT No. 9—Continued.

Amount brought forward.....		$4,609,980 00
Loan of City stock, authorized by Ordinance No. 71, 1882...	$684,000 00	
Interest thereon from July 1, 1889, to date.....	41,040 00	
		$725,040 00
Loan of City stock, authorized by Ordinance No. 11, 1886....	$1,704,000 00	
Interest thereon from July 1, 1889, to date....	83,070 00	
		$1,787,070 00
Funding certificates, being amount of matured coupons of first and second preferred mortgage bonds, funded as per ordinance No. 22 of 1879.	$226,530 00	
Interest thereon from January 1st, 1889, to date.....	27,183 60	
		$253,713 60
Coupons from first mortgage unendorsed bonds.....	$71,742 00	
Interest thereon to December 31st, 1890.....	65,207 17	
		$136,949 17
Amount carried forward.....		$7,512,752 77

STATEMENT No. 9—Concluded.

Amount brought forward.....		$7,512,752 77
Less:		
Value of W. Md. R. R. 1925 Loan Sinking Fund.....	$ 51,233 65	
Value of W. Md. R. R. 1927 Loan Sinking Fund.....	110,662 25	
		$161,895 90
		$7,350,856 87

STATEMENT No. 10.

Total Liabilities of the Western Maryland Railroad Company December 31st, 1890.

Held by the City in the Sinking Fund:		
First mortgage bonds	$43,500 00	
Eighteen months' interest thereon	3,915 00	$47,415 00
Second preferred mortgage bonds	$178,500 00	
Eighteen months' interest thereon	16,065 00	194,565 00
First mortgage coupons (not funded)	$71,742 00	
Interest thereon to date	65,207 17	136,949 17
Funding certificates.....	$226,530 00	
Two years' interest thereon....	27,183 60	$253,713 60
		$632,642 77
Less value of W. Md. R.R., 1925 loan sinking fund.....	51,233 65	
Less value of W. Md. R.R., 1927 loan sinking fund.....	110,662 25	161,895 90
Amount carried forward.....		$470,746 87

STATEMENT No. 10—Continued.

Amount brought forward.....		$470,746 87
Accrued interest to January 1, 1887, on second mortgage endorsement		333,000 00
Third mortgage endorsement..	875,000 00	
Interest advanced thereon to date	1,050,000 00	
		1,925,000 00
Fourth mortgage endorsement.	1,000,000 00	
Interest advanced thereon to date	1,110,000 00	
		2,110,000 00
Fifth mortgage, loan of city stock	1,704,000 00	
Eighteen months' interest thereon	83,070 00	
		1,787,070 00
Loan of city stock, authorized by ordinance No. 71 of 1882	684,000 00	
Eighteen months' interest thereon	41,040 00	
		725,040 00
Common stock owned by city..	200,000 00	
Common stock owned by Washington county	150,000 00	
Amounts carried forward....	$350,000 00	7,350,856 87

STATEMENT No. 10—Concluded.

Amounts brought forward...	$350,000 00	$7,350,856 87
Common stock owned by individuals	334,250 00	
		684,250 00
First preferred stock owned by Washington county.....		324,000 00
		$8,359,106 87

STOCK DEBT.

NAME OF ISSUE.		RATE PER ANNUM.	WHEN PAYABLE.	WHERE PAYABLE.
City Hall Loan	1900	6 per cent.	Jan., April, July and Oct..	Nat. Farm. & Plant Bank.
" " "	1902	6 "	" " "	" "
Funding "	1900	6 "	" " "	" "
West. Md. R. R. "	1927	3.25 "	January and July.....	" "
Internal Impn't "	1928	3½ "	" "	" "
Consolidated "	1930	3½ "	" "	" "
Patters'n Pk. Ex "	1920	4 "	Jan., April, July and Oct..	National Mechanics' Bank.
Park Imp. "	1895	6 "	" " "	" "
Public Park "	1890	6 "	Mar., June, Sept. and Dec.	" "
Jones' Falls "	1900	6 "	Feb., May, Aug. and Nov..	" "
" " "	1900	5 "	" " "	" "
" " "	1900	3.65 "	" " "	" "
" " "	1900	3½ "	" " "	" "
" " "	1900	3 "	" " "	" "
West. Md. R.R. "	1902	6 "	January and July.....	" "
" " " "	1925	4 "	" "	" "
Harf'd Run Im. "	1920	4 "	" "	" "
Completion of Harf'd Run Improvem't Loan	1904	4 "	May and November.....	" "
Paving "	1920	4 "	" "	" "
Water "	1916	5 "	" "	" "

Water	Loan	1894	6	per cent.	May and November.....		National Mechanics' Bank.	
"	"	1894	5	"	"	"	"	"
"	"	1922	4	"	"	"	"	"
"	"	1926	4	"	"	"	"	"
Funding	"	1916	5	"	"	"	"	"
Exempt	"	1893	6	"	March and September....		"	"
Consolidated	"	1893	6	"	"	"	"	"

GUARANTEES.

NAME OF ISSUE.	RATE PER ANNUM.	WHEN PAYABLE.	WHERE PAYABLE.
Western Maryland R. R. Company's Bonds.....	6 per cent.	January and July.....	National Mechanics' Bank.
Union R. R. Company's Bonds.....	6 "	" "	Franklin Bank.

ANNUAL REPORT

— OF THE —

CITY COMPTROLLER

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31, 1890.

REPORT.

DEPARTMENT OF THE CITY COMPTROLLER,

BALTIMORE, January 1st, 1891.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

I have the honor of presenting herewith the report of the City Comptroller's Department for the year ending December 31, 1890.

The following table exhibits the receipts and disbursements of the City Government from the 1st day of January, 1890, to the 31st day of December, 1890.

STATEMENT OF RECEIPTS.

From the City Collector on account of the tax levy for 1890	$3,587,350 03
From the City Collector on account of taxes in arrears	1,363,934 67
Amount carried forward	$4,951,284 70

Am't brought forward...	$4,951,284 70	
From the City Collector on account of interest on taxes in arrears.....	27,499 29	
From the City Collector on account of re-numbering houses.....	23 25	
From the City Collector on account of opening, closing and paving streets and alleys.....	235,080 32	
		$5,213,887 56
From market rents and licenses.....		54,621 60
" rent of public halls.....		610 00
" wharfage by Harbor Masters.....		28,788 44
" Park Board for Druid Hill and Patterson Parks.....		170,130 37
" Park Board for Federal Hill Park.		200 00
" Park Board for Johnston Square..		15 00
" the Jail Visitors, for board of U. S. prisoners, &c.....		13,928 48
" County Commissioners of Baltimore County for cases removed and tried in the City Courts.....		4,427 69
" the railway companies for park sinking fund.....		24,943 75
" the Water Board for rents, &c....		865,685 38
" the Pound Master for sale of dogs.		307 97
" ground rents due by sundry parties		160 00
Amount carried forward.....		$6,377,706 24

Amount brought forward	$6,377,706	24
From the Trustees of Bayview Asylum, board of inmates, &c.	4,177	80
" Quarantine Hospital fees.	4,711	14
" Appeal Tax Court	18	44
" gas and electric lights		50
" Commissioner of Street Cleaning for sale of dirt, &c	1,790	20
" sundry parties for injury to street lamps	176	55
" permits and advertising for erecting sheds, &c.	8,164	25
" City Commissioner for improvement Jones' Falls	1,308	40
" City Commissioner for repairs of paved streets.	977	02
" City Commissioner for repairs of sewers	3,779	36
" City Commissioner for Preston St. sewer	12	00
" City Commissioner for Fremont St. sewer	1	66
" City Commissioner for sale old material, 1928 loan.	717	53
" the sale of tickets on account of transportation of poor	64	85
" auctioneers for State tax on sales.	7,482	58
" Superintendent City Hall for sale of old material	12	20
Amount carried forward	$6,411,100	72

Amount brought forward	$6,411,100	72
From City Librarian for sale of Codes and Ordinances	30	84
" Superintendent Court House	14	50
" Superintendent Old Masonic Hall	5	00
" licenses for wagons, carts, billiards, dogs, &c.	65,852	99
" Fire Commissioners for sale of refuse	125	90
" magistrates for violation of City ordinances	4,180	35
" City Commissioner for account of advertising	132	00
" Park Board for Patterson Park extension	5	78
" City Commissioner for paving Fell's Point Market	24	00
" Fire Commissioners, City Annex, sale of refuse	8	50
" City Commissioner for repairs streets, &c., City Annex	160	00
" direct tax in the City Annex	134,222	84
" interest in the City Annex	3,103	93
" City Commissioner for shelling Loney's Lane, City Annex		83
" taxes in the Annex for the year 1888	814	86
" Commissioners of Fulton Avenue Squares and Baker Circle for sale of sods, &c	119	45
Amount carried forward	$6,619,902	49

Amount brought forward	$6,619,902	49
From State Treasurer for liquor licenses.	386,781	20
" sundry parties difference in board of insane patients	3,845	00
" State tax on City loans	16,083	64
" temporary loans	400,000	00
" the inspection of gas meters	2,108	50
" tax sales for the redemption of property previously sold for taxes	6,558	90
" City Commissioner for vaults and areas	562	60
" intestate estates	731	60
" turnpike dividends	280	90
" the Park Board, interest on Public Park loan	33,000	47
" Water Board, interest on Water loans	496,630	00
" the Commissioners of Finance	84,470	00
" the sale of property owned by the City	1,971	50
" the sale of Internal Improvement 1928 stock	826,010	00
" the City Commissioner for kerbing Fulton avenue	100	00
" the Chesapeake and Potomac Telephone Co. account of conduits	1,500	00
" the sale of Water stock of 1926	200,000	00
" City seals	18	00
Amount carried forward	$9,080,554	80

Amount brought forward	$9,080,554 80
From the Baltimore Belt Railroad Co. for lease, &c., of the Bolton Depot property	54,000 00
" the State of Maryland for City's proportion of Public School tax.	182,619 24
" the Secretary of the School Board for use of books, &c	3,282 80
" J. F. Plummer, interest on legacy to Public Schools	128 05
" damages and expenses for opening, closing and paving streets and alleys	10,923 81
" City deposits in various banks as interest	14,863 03
" Judgments and suits	495 14
Balance in hands of the City Register January 1st, 1890	372,548 12
	$9,719,414 99

STATEMENT OF DISBURSEMENTS.

For cleaning and repairs of markets	$ 4,837 28
" cleaning and repairs of public halls.	124 75
" Criminal Court	61,046 43
" Superior Court	13,448 61
" Baltimore City Court	12,700 05
" Court Common Pleas	13,781 45
" Circuit Court	2,823 55
Amount carried forward	$108,762 12

Amount brought forward	$108,762 12
For Circuit Court No. 2	2,425 00
" Orphans' Court	7,895 80
" Supreme Bench	3,050 00
" Magistrates	16,510 89
" judgments and suits	8,218 25
" the Police Department	780,199 03
" expenses of the Supervisors of Elections	7,336 52
" salaries and incidentals of the City Council	56,919 43
" expenses of the Jail	54,526 24
" registration	38,472 34
" Park sinking fund	24,943 75
" Public Schools, general	145,034 68
" Water Board	909,561 22
" the Dog Pound	2,189 25
" ground rents due by the City	3,469 84
" Manual Training School	29,984 77
" interest on loans and discount on taxes	104,696 38
" Public Schools, salaries	656,960 10
" Druid Hill and Patterson Parks	127,305 35
" Riverside Park	4,076 11
" Federal Hill Park	1,995 80
" Johnston Square	1,492 61
" Collington Square	1,598 12
" Harlem Park	3,164 69
" Eutaw Squares, first division	1,500 00
Amount carried forward	$3,102,288 29

Amount brought forward	$3,102,288 29
For Eutaw Squares, second division	1,499 33
" Madison Square	2,998 77
" Lafayette Square	1,500 00
" Perkins' Spring Square	1,000 00
" ground rent Riverside Park	3,770 62
" ground rent Perkins' Spring	2,052 00
" Union Square	1,054 73
" Bayview Asylum	84,694 58
" health, general	14,644 62
" nuisances	10,054 87
" Quarantine Hospital	17,973 13
" health, salaries	32,950 24
" cleaning streets	267,961 09
" harbor	23,851 94
" ice-boat F. C. Latrobe	7,463 71
" repairs of wharves	1,820 86
" dredging Spring Gardens	4,884 37
" bulkhead at Little Hawkins' Point	1,495 24
" steam launch at Quarantine	2,000 00
" dredging Jones' Falls	10,000 00
" City Collector, expenses of office	52,595 70
" Appeal Tax Court	308 91
" gas and electric lights	215,764 43
" lamp pillars	10,995 06
" lamplighters, salaries	46,514 00
" Inspector of Buildings	6,199 98
" repairs of Public Schools	9,000 00
" repairs of City property	18,000 00
Amount carried forward	$3,955,336 47

Amount brought forward	$3,955,336 47
For permits for sheds, &c	1,218 87
" cleaning cess-pools	1,058 38
" building Manual Training School	12,769 32
" Primary School No. 24	16,277 35
" Grammar School No. 8	14,338 25
" Morgue	3,800 00
" Primary School No. 13	13,009 80
" No. 5 English and German School	24,389 77
" Grammar School No. 20	24,666 63
" purchase of lot and building Primary School south Baltimore	30,953 80
" purchase of lot and building Annex School No. 3	24,466 22
" building Grammar and Primary School north Baltimore	21,000 00
" building Male and Female Primary School No. 31	20,445 92
" purchase of lot for No. 16 Engine House	3,400 00
" painting school houses	4,000 00
" wood ceilings in school houses	2,000 00
" remodeling No. 20 Primary School	7,400 00
" sanitary improvements	3,000 00
" repairing Broadway Institute	600 00
" new pavement Centre Fish Market	2,000 00
" extra help, Inspector of Buildings	500 00
" painting Quarantine Hospital	1,000 00
" paving Belair Market	800 00
Amount carried forward	$4,188,430 78

Amount brought forward	$4,188,430	78
For changing stalls No. 3 and new floor No. 10 Engine Houses	1,300	00
" paving Centre Market	3,000	00
" salaries of the City Commissioner's office	9,473	83
" improvement of Jones' Falls	9,979	52
" repairs of paved streets	79,987	72
" repairs of bridges	6,742	36
" repairs of sewers	9,831	62
" Light street bridge	2,235	39
" iron plates	799	40
" flag and stepping-stones	4,999	00
" cross streets	20,560	47
" improvement Harford Run	2,005	23
" repairs of unpaved streets	1,964	25
" sewer in Fulton avenue	1,691	10
" sewer in Preston street	52,893	15
" Jenkins' Run sewer	32,895	24
" Presbury street sewer	3,782	71
" Fremont street sewer	67,427	95
" Eager street sewer	35,313	86
" Wolfe street sewer	32,016	20
" Pulaski street sewer	31,853	87
" Boston street bridge	17,553	98
" rebuilding Light street bridge	94,012	34
" Cedar avenue bridge	59,282	84
" grading Cedar avenue	1,683	74
" shelling Ridgely and Bayard streets	997	55
Amount carried forward	$4,772,714	10

Amount brought forward	$4,772,714	10
For iron plates, Exeter and Lombard streets	330	82
" paving in front of City property	541	38
" Low street sewer	74	96
" trapping inlets, Calhoun and Lanvale streets	141	80
" trapping inlets, Baltimore and Carey streets	125	13
" trapping inlets, Lexington and Howard streets	5	40
" shelling Eastern avenue	289	93
" shelling Leadenhall street	100	00
" traps and inlets, Broadway sewer	92	38
" Patterson Park sewer	237	66
" trapping inlets, Central avenue	274	36
" inlets, Broadway sewer	2	50
" trapping inlets, Franklin and Carey streets	99	99
" shelling Quaker lane	78	04
" paving private alleys	983	92
" board walk, Philadelphia road	434	40
" Cross street sewer	4,339	82
" Carey street relief sewer	7,222	40
" regrading Lexington street	150	00
" granite gutters, Madison and Calvert streets	1,039	55
" expenses of the Mayor's office	1,622	06
" carrying poor to homes	821	47
Amount carried forward	$4,791,722	07

Amount brought forward	$4,791,722 07
For Superintendent City Hall	17,525 30
" City Librarian	6,897 18
" refunded taxes	3,802 17
" expenses of the Court House and Record Office	5,424 58
" expenses of the City and Circuit Court building	3,434 39
" general expense	1,259 66
" general license	1,716 61
" expenses of the Fire Department	238,904 52
" equipping No. 15 Engine Co	20,460 00
" bell at Waverly Engine House	31 43
" fire-alarm boxes at various places	2,526 79
" fines remitted by the Mayor	843 85
" public printing	4,098 42
" Patterson Park extension	54,593 11
" Liquor License Commission, expenses of office	9,998 28
" extension of Dolphin street sewer	11,930 52
" fire boat for the harbor	17,574 64
" plans for bridge at Monroe street	225 00
" shelling Ferry Bar road	144 27
" paving Lafayette Market	882 25
" iron plates, Fulton avenue	346 43
" paving Hanover Market	225 92
" Russell street bridge	63 94
" Monroe street bridge	171 10
" Howard street sewer	4,108 79
Amount carried forward	$5,198,911 22

Amount brought forward	$5,198,911 22
For paving Fell's Point Market	96 02
" shelling Fulton avenue	1,113 97
" trapping inlets, Fayette and Arch streets	1,045 58
" gas and electric lights, City Annex.	6,069 74
" General Superintendent of Lamps, livery, City Annex	280 00
" lamp pillars, City Annex	5,614 25
" Lamplighters, salaries, City Annex.	9,312 86
" health, salaries, "	2,600 00
" expenses of Fire Department, City Annex	31,927 43
" cleaning streets, City Annex	15,631 63
" nuisances, "	1,694 01
" repairs streets, &c., "	11,934 69
" Public Schools, "	13,215 66
" Public Schools, salaries, "	61,784 30
" repairs of City property, "	3,000 00
" building Annex School No. 4, City Annex	20,517 85
" discount on taxes, City Annex.	2,606 26
" expenses of Collector's Office, City Annex	2,599 92
" special assessment, City Annex	1,572 90
" shelling Maiden's Choice road, City Annex	40 32
" shelling North avenue, City Annex.	2,485 19
Amount carried forward	$5,394,053 80

Amount brought forward	$5,394,053	80
For shelling Loney's lane, &c., City Annex	599	98
" shelling Point lane, &c., City Annex.	223	90
" fire-plugs at Carroll, "	341	33
" board walk Calverton road, "	99	91
" refunded taxes, "	265	37
" Macadamizing Park Heights avenue, City Annex	5,995	70
" Macadamizing Calverton road, City Annex	1,995	35
" shelling Old York road, City Annex	952	93
" dressing Remington avenue, "	2,499	70
" repairing Union and 3d avenues, City Annex	998	62
" shelling Gilmor lane, City Annex	780	64
" culvert on Jefferson street, City Annex	1,486	62
" drinking fountain, Garrison lane,	75	00
" hydrant at school house, Woodberry lane, City Annex	25	00
" repairing Hillen road, City Annex	476	95
" repairing Reece street, "	278	50
" purchase of lot and building No. 13 School, City Annex	18,676	94
" collecting taxes in the Annex for the year 1888	32	59
" shelling Jenkins' lane, City Annex.	230	00
Amount carried forward	$5,430,088	83

Amount brought forward	$5,430,088 83
For repairing Millington avenue, City Annex	999 61
" Mount Vernon Square	900 00
" Mt. Royal avenue terraces	496 09
" Broadway Squares, 1st division	3,000 00
" " " 2d "	4,000 00
" Park Place Squares	420 35
" Ashland Square	111 37
" Franklin Square	1,500 00
" Eastern Fountain	1,000 00
" Jackson Square	800 00
" Mt. Royal Avenue Squares	1,994 08
" Taney Place Squares	200 00
" Fulton avenue and Baker Circle	3,999 92
" replacing broken glass in schools	1,200 00
" House of Refuge	19,964 17
" House of Reformation	10,000 00
" University of Maryland	6,750 00
" Washington University	10,467 30
" Baltimore University	3,953 00
" Maryland General Hospital	6,621 11
" Hospital of the Good Samaritan	912 29
" St. Mary's Industrial School	20,000 00
" Mount Hope Retreat	37,000 00
" Maryland Hospital for the Insane	24,990 54
" Dispensaries	10,100 00
" Deaf and Dumb at Frederick	500 00
" St. Vincent's Infant Asylum	5,000 00
Amount carried forward	$5,606,968 66

Amount brought forward	$5,606,968 66
For Home of the Friendless	2,100 00
" Nursery and Child's Hospital	3,486 34
" St. Mary's Female Orphan Asylum	4,583 33
" St. Elizabeth's Colored Orphan Asylum	2,000 00
" Shelter for Aged Colored Poor	250 00
" St. Mary's Home for Colored Children	291 66
" St. Joseph's House of Industry	1,000 00
" State tax on City loans	28,909 28
" special appropriations	11,366 38
" Female House of Refuge	3,000 00
" Industrial Home for Colored Girls	1,800 00
" assistance to Examiner of Titles	885 00
" temporary loans	1,165,000 00
" Coroners	3,200 00
" salaries of City Officers	73,895 54
" General Superintendent of Lamps, livery, &c	360 50
" Commissioners for Opening Streets	159 68
" expenses of elections	18,515 80
" tax sales	5,529 90
" transportation to House of Correction	376 40
" Maryland Institute	6,000 00
" Insurance of Bayview Asylum	1,280 00
" ringing mechanics' bells	200 00
" winding Maryland Institute clock	75 00
Amount carried forward	$6,941,233 47

Amount brought forward	$6,941,233	47
For Enoch Pratt Free Library	50,000	00
" Ice Boat "Annapolis"	10,000	00
" intestate estates	731	60
" commission and incidentals of Harbor Masters	7,420	45
" post-mortems	1,381	20
" interest on stock debt	1,644,720	13
" removal of refuse of packing houses.	2,000	00
" rent of Circuit Court No. 2	900	00
" care of Circuit Court No. 2	694	19
" Inspector of Gas and Oils, livery	300	00
" sale of City property	119	78
" Water 1926 Sinking Fund	12,488	66
" Internal Improvement 1928 Sinking Fund	12,488	66
" repairing floor of Calvert street bridge	536	05
" repairing floor of St. Paul street bridge	946	27
" Internal Improvement 1928 Loan	26,010	00
" removed cases	11,963	56
" paving streets in Bolton property	789	52
" kerbing Fulton avenue	30	00
" St. Joseph's Hospital	741	77
" Boys' Home Society	3,000	00
" new building for Insane at Bayview.	27,843	15
" drinking fountain, North and Eager streets	75	00
Amount carried forward	$8,756,413	46

Amount brought forward	$8,756,413 46
For Wilkens avenue square	1,986 14
" repairing floor of Biddle street bridge	259 68
" enclosing Eastern Female High School lot	2,175 22
" Baltimore Light Infantry	2,000 00
" skylight at Fell's Point Market	1,800 00
" Warren avenue plat	142 64
" Water Loan 1926	200,000 00
" equipment new Insane building at Bayview	100 00
" purchase of Carroll Park	44,500 00
" damages and incidentals in connection with opening and closing streets	581,490 93
Balance in hands of City Register December 31st, 1890	128,546 92
	$9,719,414 99

As accounts of these receipts and disbursements are entered upon the books of both the Comptroller and the Register, these books must harmonize, and as money cannot find its way into the City Treasury except through the receiving warrant of the Comptroller, nor be paid out of it except through the Comptroller's pay warrant, the financial officers of the City are thus subject to a proper check.

As the foregoing is but a record of all the money transactions appearing on the face of the ledger, as the

respective sums pass in and out of the City Treasury, and as among the receipts are loans made to the City, and among the disbursements, payment of such loans, it follows that the statement above given is not a representation of revenue and expenses proper; the latter information is furnished in the City Register's report.

Under Resolution No. 134, Mayor and City Council of Baltimore of May 20th, 1890, I sold at public auction on the 25th day of June, 1890, the property known as Colored School No. 5, located on Eastern avenue, near Broadway, for the sum of $1,400, subject to a ground rent of $93.75 per annum. And in accordance with resolution No. 24, of February 25th, 1890, Mayor and City Council, I sold at public auction, on March 26th, 1890, all the material of the two-story brick building and brick back building located at the southeast corner of Orleans and Aisquith streets, receiving therefor the sum of $295.

On December 10th, 1890, I sold at private sale the lot corner of Federal street and Belair avenue, to Henry L. Krowl, for the sum of $276.50. This lot came into the possession of the City through a deed from the City Collector, the property having been sold for taxes in arrears, and purchased by the City. It was previously sold at public auction, but the buyer refused to consummate his purchase, because of a supposed defect in the title, hence the subsequent private sale.

The amount received from the State Treasurer on account of liquor licenses during the year was	$386,781 20
The amount paid out by the City on account of the Liquor License Commission	9,998 28
Net revenue to the City	$376,782 92

The amount received from hucksters or arab licenses was $17,863.75.

The amount paid out for elections, 1890, was $18,515.80, being $10,824.87 in excess of the amount paid out in 1889 for the same purpose. This increase is owing to the requirements of the Australian Ballot Law, which render imperative the erection of booths in each precinct, and also the appointment of an increased number of election officers.

On the other hand the cost of registration for the year 1890 was $38,472.34, being $26,666.52 less than that of the year 1889, this decrease being mainly in the amount paid to registers.

From the monthly reports of the Pound Master it is ascertained that 3,944 dogs were taken to the pound during the year 1890, and that 3,651 were drowned.

Previous to 1886, the vouchers for warrants issued by the Comptroller in payment of claims against the City were placed, each year, in boxes especially made

for such purposes; these boxes being very large would soon have occupied all the room at my disposal, hence, at my request, the City Librarian obtained from your Honorable Body permission to use a portion of the appropriation for his department, for the purpose of making suitable provision for the proper keeping of these vouchers. Under the supervision of the Inspector of Buildings 180 patent files were placed in one of the rooms at the disposal of the Comptroller, each file being capable of holding one month's vouchers; there are only files enough left to last six months more; and anticipating the embarrassment that would arise from failure to make provision for the safe-keeping of the valuable records of this department, I would respectfully ask of your Honorable Body an appropriation of $1,600 for the purpose indicated; that amount will furnish enough files to last for at least 16 years.

By comparison of the reports of this department for the past few years, it will be readily seen that the work in the Comptroller's office has steadily increased, but improved system in the mode of conducting its business has obviated the necessity of any increase in its employees. From the middle of April to the last day of May two-thirds of the receipts for licenses are taken in, and during this period there are some days when the rush for licenses is so great that many applicants cannot be waited upon; such a change in the present mode of giving out licenses (which has prevailed since the formation of the Comptroller's Department), as would greatly benefit the public, is possible, and I there

fore suggest such amendments in the laws regulating the licensing of vehicles as would accomplish the desired result.

FINANCIAL STATEMENT IN DETAIL.

For information in detail connected financially with the operations of the Department of the City Comptroller, I respectfully invite your attention to the subjoined tables:

Table A, is a statement of the amount charged and credited to the City Register.

Table B, shows the amount of taxes collected during the year for the City and City Annex, and the amount charged to the City Collector for taxes in arrears.

Table C, is a statement of the receipts and disbursements of Markets, Public Halls, General Licenses, Theatricals and Wharfage accounts.

Table D, is a statement of the several Courts, Supreme Bench, Magistrates, Judgments and Suits, City Council, Police Department, Supervisors of Elections, Removed Cases, Registration and Baltimore City Jail.

Table E, is an exhibit of the receipts from taxes and other sources, and payment on account of interest on the Stock Debt, Sinking Fund, Loans, Interest, Water Board, Dog Pound, Public Schools (general and salaries), Manual Training School, City Property, Special

Appropriations, Water Loan 1926, Gas and Electric Lights, State Tax on City Loans and Internal Improvement 1928 Loan.

Table F, is a statement of receipts and disbursements on account of Druid Hill, Patterson, Riverside and Federal Hill Parks and Patterson Park Extension.

Statement A, is a statement of the several Public Squares, Health Department, Harbor Board, Commissioner of Street Cleaning, City Collector, City Poor, General Superintendent of Lamps, Lamp-pillars, Inspector of Building's Department, City Commissioner's Department, Fire Department and General Expenditures under the head of Miscellaneous.

Statement B, shows the amounts received and paid for Opening, Closing and Widening Streets and Alleys.

Table G, shows the amount paid for Paving Streets and Alleys, and amounts received from the City Collector on account of Paving Streets.

Table H, is an exhibit of the Street Cleaning Department, Fire Department, Gas and Electric Lights, Lamp-pillars, Repairs of City Property, Public Schools, Nuisances, Lamplighters and City Commissioner's Department in the annexed portion of the City.

I have the honor to be,
Very respectfully,
Your obedient servant,

JAMES R. HORNER,
Comptroller.

TABLES.

TABLE A.

DR. JOHN A. ROBB, *Register, in account with*

1890.

January	1	To balance	$ 372,548	12
January	31	To cash	246,085	41
February	28	" "	1,034,214	42
March	31	" "	782,828	15
April	30	" "	485,133	89
May	31	" "	425,259	72
June	30	" "	2,369,779	81
July	31	" "	1,009,845	56
August	31	" "	306,279	95
September	30	" "	249,218	92
October	31	" "	1,015,521	10
November	30	" "	526,093	82
December	31	" "	896,606	12
			$9,719,414	99

TABLE A.

the Mayor and City Council of Baltimore. CR.

1890.				
January	31	By Comptroller's warrants.	$	778,139 83
February	28	" " "		406,242 36
March	31	" " "		769,648 91
April	30	" " "		796,433 41
May	31	" " "		1,159,614 90
June	30	" " "		1,211,299 21
July	31	" " "		846,656 06
August	31	" " "		615,798 18
September	30	" " "		490,960 51
October	31	" " "		877,809 96
November	30	" " "		1,018,340 75
December	31	" " "		619,923 99
"	31	" balance....		128,546 92
				$9,719,414 99

TABLE B.

Collection of Taxes, Opening of Streets, &c., made by the City Collector, for the year ending December 31, 1890.

	1885.	1886.	1887.	1888.	1889.	1890.	Total.
Police Department	$ 87 96	$241 42	$25,848 59	$2,206 62	$165,823 88	$546,236 01	$740,444 48
Certain Expenses	32 99	77 59	8,616 20	653 82	61,416 22	150,685 81	221,482 63
Public Schools	84 30	198 30	22,976 53	1,879 73	141,257 40	489,728 81	656,125 07
City Poor	32 99	68 99	8,616 20	735 52	49,132 98	188,357 25	246,943 93
Direct Tax	223 59	594 91	63,185 44	4,576 72	485,188 38	1,318,500 80	1,872,269 84
Miscellaneous Stocks	98 97	232 77	38,294 22	2,206 62	214,956 89	621,578 97	877,368 44
Opening Streets	18 33	34 50	12,445 61	653 82	30,708 14	113,014 36	156,874 76
Water Tax	7 32	17 24	1,914 71	163 43	12,283 23	37,671 47	52,057 40
Water, 1926, Sinking Fund					3,070 80	9,417 86	12,488 66
Internal Improvement, 1928, Sinking Fund					3,070 80	9,417 86	12,488 66
	$586 45	$1,465 72	$181,897 50	$13,076 28	$1,166,908 72	$3,484,609 20	$4,848,543 87
Interest	162 97	289 91	15,338 47	1,873 47	9,834 47		27,499 29
Discount						102,740 83	102,740 83
	$749 42	$1,755 63	$197,235 97	$14,949 75	$1,176,743 19	$3,587,350 03	$4,978,783 99
Opening and Closing Streets and Alleys							187,243 76
Paving Streets and Alleys							47,836 56
Re-numbering Houses							23 25
							$5,213,887 56

TABLE B—Continued.

Amount charged against City Collector Jan. 1, 1891.

Year.	Levy.	Basis of Taxation.	Amount.
1887.....	$1 60	$ 724,423 00	$ 11,590 76
1888.....	1 90	3,072,278 00	58,373 29
1889.....	1 90	17,768,126 00	337,594 40
1890.....	1 85	84,392,879 00	1,561,268 27
			$1,968,826 72

ANNEX.

1889.....	60	$1,282,386 00	$ 7,694 31
1890.....	60	7,695,122 00	46,170 73
		$8,977,508 00	$53,865 04

TABLE B—Concluded.

City Taxes received from the Annexed Territory during the year 1890.

Total amount received....		$137,326 77
Of which there was collected on the levy of 1889 the sum of.....	$39,521 81	
And on the levy of 1890..	97,804 96	
		137,326 77
The basis collected on—		
1889.....		$ 6,504,031 00
1890.....		16,300,775 00

TABLE C.

Hanover Market—John H. Mortimer, Clerk.

	Dr.	Cr.
Butcher stall rents		$2,357 00
Fish stall rents		258 00
Permanent stall rents		315 00
Eave stall rents		172 00
Vegetable stall rents		235 00
Street stall rents		300 00
Cucumber stall rents		96 00
Street eave stall rents		165 00
Movable stall rents		12 00
Per diem rents		1,724 40
Licenses		420 00
		$6,054 40

TABLE C—Continued.

Belair Market—Joseph H. Wright, Clerk.

	Dr.	Cr.
Butcher stall rents		$2,220 00
Fish stall rents		142 00
Permanent stall rents		288 00
Eave stall rents		158 00
Street eave stall rents		245 00
Cucumber stall rents		498 00
Movable stall rents		228 00
Per diem rents		2,776 50
Licenses		1,965 00
		$8,520 50

TABLE C—Continued.

Cross Street Market—James Graham, Clerk.

	Dr.	Cr.
Butcher stall rents		$ 861 25
Fish stall rents		130 00
Permanent stall rents		410 00
Eave stall rents		430 00
Vegetable stall rents		310 00
Street eave stall rents		250 00
Per diem rents		2,142 20
		$4,533 45

TABLE C—Continued.

Lexington Market—James A. Strong, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license		$2,750 00
Fish " "		350 00
Permanent " "		1,980 00
Eave " "		1,540 00
Fruit " "		600 00
Street eave " "		315 00
Street " "		965 00
Movable " "		294 00
Per diem rents		4,128 75
		$12,922 75

TABLE C—Continued.

Hollins Market—James Biden, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$ 697 00
Fish " " ..		30 00
Permanent " " ..		200 00
Eave " " ..		220 00
Space " " ..		205 00
Street eave " " ..		680 00
Pavement " " ..		25 00
End " " ..		55 00
Nine Months " " ..		40 00
Per diem rents.....		1,524 60
		$3,676 60

TABLE C—Continued.

Centre Market—Daniel Murray, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$1,731 50
Fish " " ..		590 00
Permanent " " .		693 00
Eave " " ..		567 00
Gutter " " ..		222 00
Street eave " " ..		62 00
Movable " " ..		462 00
Wholesale fish stalls " ..		8 00
Per diem rents.....		2,233 75
		$6,569 25

TABLE C—Continued.

Richmond Market—George H. Clifton, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$ 278 50
Permanent " " ..		110 00
Fish " " ..		61 00
Eave " " ..		98 00
Space " " ..		110 00
Kerb " " ..		105 00
Movable " " ..		51 00
Aisle " " ..		40 00
Street eave " " ..		10 00
Per diem rents.....		1,347 15
		$2,210 65

TABLE C—Continued.

Fell's Point Market—F. Buckheimer, Clerk.

	Dr.	Cr.
Butcher stall rents		$1,465 00
Fish "		52 00
Permanent "		350 00
Eave "		350 00
Vegetable "		826 00
Street eave "		26 00
Movable "		52 00
Per diem rents		1,719 35
Licenses		1,600 00
		$6,440 35

TABLE C—Continued.

Lafayette Market—Thomas Briddell, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$ 75 00
Permanent " " ..		435 80
Eave " " ..		451 00
Space " " ..		80 00
Street " " ..		13 75
		$1,055 55

TABLE C—Continued.

Northeast Market—M. Kunkel, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$215 00
Fish " " ..		7 00
Permanent " " ..		95 00
Eave " " ..		31 00
Street eave " " ..		33 00
Cucumber " " ..		14 75
Vegetable " " ..		508 00
Movable " " ..		3 50
Per diem rents.....		760 35
Licenses.....		605 00
		$2,272 60

TABLE C—Continued.

Canton Market—Daniel Cadden, Clerk.

	Dr.	Cr.
Butcher stalls		$ 80 00
Permanent stalls		72 00
Eave stalls		70 00
Per diem rents		143 50
		$365 50

TABLE C—Continued.

Summary of Markets.

	Dr.	Cr.
Hanover Market		$ 6,054 40
Belair "		8,520 50
Cross street "		4,533 45
Lexington "		12,922 75
Hollins "		3,676 60
Centre "		6,569 25
Richmond "		2,210 65
Fells' Point "		6,440 35
Lafayette "		1,055 55
Northeast "		2,272 60
Canton "		365 50
		$54,621 60
Expenses of cleaning, repairs, &c.		
Hanover Market	$441 96	
Belair "	530 89	
Cross street "	311 40	
Lexington "	569 90	
Hollins "	404 80	
Centre "	802 16	
Richmond "	461 45	
Fell's Point "	608 30	
Lafayette "	224 25	
Northeast "	308 75	
Canton "	173 42	
		$ 4,837 28
		$49,784 32

TABLE C—Continued.

Public Halls.

	Dr.	Cr.
Cross Street Hall—		
By amount received for rent.....		$138 00
To amount paid for cleaning, &c.....	$ 19 75	
Hollins Hall—		
By amount received for rent.....		404 00
To amount paid for cleaning, &c.....	62 75	
Broadway Hall—		
By amount received for rent.....		68 00
To amount paid for cleaning, &c.....	42 25	
To balance December 31, 1890.....	485 25	
	$610 00	$610 00

TABLE C—Continued.

Receipts from Licenses.

Wagons, 1 horse	$15,956 40
" 2 horses	9,631 80
" 4 horses	643 25
Carts	5,020 80
Drays	633 50
Omnibusses and Cars	1,710 50
Hacks	1,356 25
Package Carts	479 50
Lighters	315 15
Hucksters, wagon and basket	17,863 75
Bacon	2,679 15
Puddings	149 60
Merchandise	201 00
Foreign Fruit	393 80
Billiards	666 64
Bagatelle	421 35
Pawnbrokers	1,233 35
Dogs	1,300 15
Coal Oil	1,825 40
Flying Horses and Swings	96 65
Theatricals	3,275 00
	$65,852 99

TABLE C—Concluded.

Collection of Wharfage from January 1, 1890, *to December* 31, 1890.

DATE.	1st District.	2d District.	3d District.	4th District.	5th District.	Aggregate.
January	$76 10	$188 20	$242 77	$506 10	$ 976 70	$1,989 87
February	25 00	128 87	236 17	497 00	1,208 17	2,095 21
March	56 25	107 41	445 08	502 50	912 25	2,023 49
April	77 50	132 25	235 63	470 37	1,247 55	2,163 30
May	52 55	195 55	230 86	427 40	1,221 36	2,127 72
June	72 20	222 59	223 51	427 05	1,556 38	2,501 73
July	65 65	317 56	260 57	424 35	1,717 94	2,786 07
August	31 75	312 37	234 39	440 70	2,128 97	3,148 18
September	31 75	314 52	301 20	534 62	1,599 78	2,781 87
October	73 50	332 02	280 89	451 50	1,569 05	2,706 96
November	43 85	178 04	240 89	464 00	1,532 84	2,459 62
December	45 55	147 47	201 87	468 00	1,141 53	2,004 42
	$651 65	$2,576 85	$3,133 83	$5,613 59	$16,812 52	$28,788 44

Total collections from January 1, 1890, to December 31, 1890		$28,788 44
Less amount paid to Harbor Masters	$5,757 65	
Less amount paid for boatmen's salary	1,200 00	
Less amount paid for rent and incidental expenses	462 80	7,420 45
Net revenue		$21,367 99

TABLE D.

Criminal Court.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$70,000 00
To amount paid bailiffs	$ 7,500 00	
" " " Clerk	15,439 65	
" " " State's Attor'y	12,635 71	
" " " Sheriff	9,687 30	
" " " for board of Jurors	529 50	
" " " for stationery Grand Jury.	74 95	
" " " for expert testimony, &c.	140 00	
" " " W. M. Cary for judge's calendar	200 00	
" " " for detectives' services and expenses	270 74	
" " " stenographers	494 40	
" " " for survey	54 00	
" " " for witness fees.	125 38	
" " " Attorney fees	300 00	
" " " analysis	700 00	
" " " photographing.	15 00	
" " " Grand and Petit Jurors	12,879 80	
To balance, December 31, 1890	8,953 57	
	$70,000 00	$70,000 00

TABLE D—Continued.

Superior Court.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$13,000 00
To amount paid Bailiffs	$4,500 00	
" " Clerk	1,966 11	
" " Sheriff	363 00	
" " Janitor	360 00	
" " Jurors	6,259 50	
By balance, December 31, 1890		448 61
	$13,448 61	$13,448 61

TABLE D—Continued.

Baltimore City Court.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$12,000 00
To amount paid Bailiffs	$4,500 00	
" " Clerks	1,957 35	
" " Sheriff	300 00	
" " for incidentals	179 70	
" " Jurors	5,763 00	
By balance, December 31, 1890		700 05
	$12,700 05	$12,700 05

Court Common Pleas.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$13,000 00
To amount paid Bailiffs	$4,500 00	
" " Sheriff	388 40	
" " Clerk	2,025 03	
" " Watchman	1,000 02	
" " Jurors	5,868 00	
By balance December 31, 1890		781 45
	$13,781 45	$13,781 45

TABLE D—Continued.

Circuit Court.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$2,900 00
To amount paid Bailiff and Messenger	$1,500 00	
" " Watchman	900 00	
" " Clerk	216 05	
" " for stationery	207 50	
To balance, December 31, 1890	76 45	
	$2,900 00	$2,900 00

Circuit Court No. 2.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$2,900 00
To amount paid Bailiff	$1,500 00	
" " Watchman	900 00	
" " Clerk	25 00	
To balance December 31, 1890	475 00	
	$2,900 00	$2,900 00

TABLE D—Continued.

Orphans' Court.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$7,500 00
To amount paid Judges	$5,616 00	
" " Bailiff	1,248 00	
" " Janitor	900 00	
" " for incidentals.	131 80	
By balance, December 31, 1890.		395 80
	$7,895 80	$7,895 80

Supreme Bench.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$3,025 00
To amount paid Judges	$3,000 00	
To amount paid City Collector for furnishing list of tax-payers	50 00	
By balance, December 31, 1890.		25 00
	$3,050 00	$3,050 00

TABLE D—Continued.

Magistrates.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$16,000 00
To amount paid Magistrates	$15,844 36	
" " Substitutes	666 53	
By balance, December 31, 1890.		510 89
	$16,510 89	$16,510 89

Fines.

	Dr.	Cr.
By amount of City's proportion of fines		$4,180 35
To amount paid for fines remitted by the Mayor	$ 843 85	
To balance, December 31, 1890.	3,336 50	
	$4,180 35	$4,180 35

TABLE D—Continued.

Judgments and Suits..

	Dr.	Cr.
By appropriation, Ordinance No. 80.....		$5,000 00
To amount paid sundry judgments rendered against the Mayor and City Council by the various courts, and for sundry expenses paid.....	$7,723 11	
By balance, December 31, 1890.		2,723 11
	$7,723 11	$7,723 11

City Council.

	Dr.	Cr.
By appropriation, Ordinance No. 80.....		$57,000 00
To amount paid to members...	$32,499 99	
" " to clerks, &c..	13,800 00	
To amount paid for printing and other expenses.....	10,619 44	
To balance, December 31, 1890.	81 57	
	$57,000 00	$57,000 00

TABLE D—Continued.

Police Department.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$785,000 00
To amount paid on warrants of the Board of Police Commissioners	$780,199 03	
To balance December 31, 1890.	4,800 97	
	$785,000 00	$785,000 00
Received from the City Collector, on account of the levy for the Police Department.		$740,444 48

Supervisors of Elections.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$6,000 00
By appropriation, Resolution No. 202		2,500 00
To amount paid Supervisors and Clerk, salaries.	$4,733 04	
" " advertising and incidentals	242 48	
" " extra clerical assistance	431 00	
" " Counsel and assistant	1,930 00	
To balance December 31, 1890	1,163 48	
	$8,500 00	$8,500 00

TABLE D—Continued.

Removed Cases.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$10,000 00
By amount received from Baltimore County Commissioners.		4,427 69
To amount paid to sundry parties	$ 11,963 56	
To balance, December 31, 1890.	2,464 13	
	$14,527 69	$14,527 69

Registration.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$33,500 00
By appropriation, Resolution No 188		982 27
By appropriation, Resolution No 201		4,000 00
To amount paid Registration Officers and room rent	$22,639 51	
To amount paid for advertising, &c	15,832 83	
To balance December 31, 1890..	9 93	
	$38,482 27	$38,482 27

TABLE D—Concluded.

Baltimore City Jail.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$55,000 00
By amount received for board of U. S. prisoners		8,605 90
By amount received for hire of prisoners		5,322 58
To amount paid on warrants of the Board of Visitors	$54,526 24	
To balance December 31, 1890	14,402 24	
	$68,928 48	$68,928 48

TABLE E.

Receipts from Taxation and other sources, and Payments on account of Interest on Stock Debt.

	Dr.	Cr.
Received from the City Collector, on account of the levy for miscellaneous stocks		$877,368 44
Received from the Park Board, interest on Public Park and Patterson Park Extension loans		33,000 47
Received from Water Board for interest on Water loans of 1894, 1916, 1922 and 1926		496,630 00
Received from Commissioners of Finance		84,470 00
Paid interest on Stock Debt	$1,644,720 13	
By balance December 31, 1890		153,251 22
	$1,644,720 13	$1,644,720 13

TABLE E—Continued.

Receipts on account of Sinking Funds.

	Dr.	Cr.
From the City Passenger Railway Companies for Park Sinking Fund, as follows:		
Baltimore City Passenger Railway Company		$ 4,481 26
Baltimore Traction Company		4,431 59
North Baltimore Passenger Railway Company		3,435 40
York Road Passenger Railway Company		226 37
Highlandtown and Point Breeze Railway Company		1,006 95
Baltimore Union Passenger Railway Company		10,091 88
Central Passenger Railway Company		1,270 30
To amount paid Commissioners of Finance	$24,943 75	
	$24,943 75	$24,943 75

Loans.

	Dr.	Cr.
Amount borrowed from sundry parties		$1,165,000 00
To amount paid sundry parties	$1,165,000 00	
	$1,165,000 00	$1,165,000 00

TABLE E—Continued.

General Interest.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$ 70,000 00
By amount received from City Collector for interest on arrears of taxes		130,240 12
By amount received from sundry banks for deposits		14,863 03
To amount paid for interest on loans and accounts due by the Mayor and City Council of Baltimore	$104,696 38	
To balance December 31, 1890.	110,406 77	
	$215,103 15	$215,103 15

TABLE E—Continued.

Water Board.

	Dr.	Cr.
By balance January 1st, 1890.		$ 22,303 17
By amount received from water rents, &c.....		865,685 38
By amount received from City Collector on account of water tax.....		52,057 40
To amount paid on warrants of the Water Board for interest on loans, salaries and other expenses.....	$909,561 22	
To balance December 31, 1890.	30,484 73	
	$940,045 95	$940,045 95

TABLE E—Continued.

Dog Pound.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$2,214 00
By amount received for dead dogs		80 97
By amount received for dogs sold at auction		4 00
By amount received for dogs redeemed		223 00
To amount paid for dogs captured	$ 1,872 50	
To amount paid for ground rent	300 00	
To amount paid for fuel	16 75	
To balance December 31, 1890	332 72	
	$2,521 97	$2,521 97

TABLE E—Continued.

Public Schools.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$152,000 00
To amount paid on warrants of the Board of School Commissioners	$145,034 68	
To balance December 31, 1890	6,965 32	
	$152,000 00	$152,000 00

Receipts from various sources.

From the City Collector, on account of the tax levy	$656,125 07
From the State, City's proportion of State tax	182,619 24
From John F. Plummer, executor	128 05
From H. M. Cowles, secretary.	3,282 80
	$842,155 16

TABLE E—Continued.

Public Schools—Salaries.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$650,000 00
By amount transferred from Public Schools account		6,960 10
To amount paid on warrants of the Board of School Commissioners	$656,960 10	
	$656,960 10	$656,960 10

Manual Training School.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$30,000 00
To amount paid on warrants of the Board of School Commissioners	$29,984 77	
To balance December 31, 1890.	15 23	
	$30,000 00	$30,000 00

TABLE E—Continued.

Special Appropriations.

	Dr.	Cr.
By appropriation, Resolution No. 50	$ 150 00	$ 150 00
By appropriation, Ordinance No. 80, favor Mrs. J. Wilson	10 00	10 00
By appropriation, Ordinance No. 80, favor N. H. Johnson and E. Duvall	600 00	600 00
By appropriation, Ordinance No. 80, favor M. S. Weil, Admr.	50 00	50 00
By appropriation, Ordinance No. 80, favor Mrs. P. Wetzell	75 00	75 00
By appropriation, Ordinance No. 80, favor National Fire Insurance Company	404 80	404 80
By appropriation, Ordinance No. 80, favor Special Committee on Post Office	200 00	200 00
By appropriation, Resolution No. 53, favor B. C. Barroll, Jr.	60 48	60 48
By appropriation, Resolution No. 58, favor D. A. Woodward	300 00	300 00
By appropriation, Resolution No. 99, favor 4th German Reformed Church	356 76	356 76
By appropriation, Resolution No. 97, favor W. F. Ward	15 00	15 00
Amount carried forward	$2,222 04	$2,222 04

TABLE E—Continued.

Special Appropriations.

	Dr.	Cr.
Amount brought forward	$2,222 04	$2,222 04
By appropriation, Resolution No. 94, favor Dixon Gough.....	50 00	50 00
By appropriation, Resolution No. 98, favor A. F. Dressel.....	15 00	15 00
By appropriation, Resolution No. 101, favor Augusta Fjeldseth..	45 00	45 00
By appropriation, Resolution No. 111, favor Jno. W. Stewart...	35 00	35 00
By appropriation, Resolution No. 112, favor Jas. Elliott.....	130 00	130 00
By appropriation, Resolution No. 116, favor Magdalena Simon...	7,883 34	7,883 34
By appropriation, Ordinance No. 60, favor Veteran Volunteer Firemen.....	500 00	500 00
By appropriation, Resolution No. 161, favor F. H. Smith.....	150 00	150 00
By appropriation, Resolution No. 180, favor A. Lemke.....	200 00	200 00
By appropriation, Resolution No. 193, favor E. D. Richardson...	100 00	100 00
By appropriation, Resolution No. 192, favor Susan Garrity.....	.....	10 00
By appropriation, Resolution No. 50, favor Wm. Smith.....	36 00	36 00
To balance December 31, 1890...	10 00	
	$11,376 38	$11,376 38

TABLE E—Continued.

City Property.

	Dr.	Cr.
By appropriation, Ordinance No. 80		4,200 00
By sundry parties for ground rents due the City		160 00
To amount of rents paid to sundry parties	$ 3,469 84	
To balance December 31, 1890	890 16	
	$4,360 00	$4,360 00

Gas and Electric Lights.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$235,000 00
To amount paid for electric lights	$ 85,280 12	
To amount paid for gas	130,483 81	
To balance December 31, 1890	19,236 07	
	$235,000 00	$235,000 00

TABLE E.

Internal Improvement 1928 *Loan.*

	Dr.	Cr.
By balance January 1st, 1890..		$198,768 88
By amount received from sale of bonds.....		826,010 00
To amount paid on account of sewers, bridges, school houses, &c.....1,006,035 87		
To amount paid Commissioners of Finance, as premium on stock.....	26,010 00	
By balance December 31, 1890.		7,266 99
	$1,032,045 87	$1,032,045 87

Water Loan 1926.

	Dr.	Cr.
By amount received from sale of bonds.....		$200,000 00
To amount paid on warrants of the Water Board.....$200,000 00		
	$200,000 00	$200,000 00

TABLE E—Concluded.

State Tax on City Loans.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$12,400 00
By amount received from City Register, Commissioners of Finance, &c., account of State Tax on City loans		16,083 64
To amount paid State Treasurer	$28,909 28	
By balance December 31, 1890		425 64
	$28,909 28	$28,909 28

TABLE F.

Druid Hill and Patterson Parks.

	Dr.	Cr.
By balance, January 1st, 1890.		$10,439 63
By amount received from City Passenger Railway Companies, as follows:		
Baltimore City Passenger Railway Company.....		61,017 19
Baltimore Traction Company.		26,114 52
North Baltimore Passenger Railway Company.....		18,902 28
York Road Passenger Railway Company.....		1,657 10
Point Breeze Passenger Railway Company.....		4,561 89
Baltimore Union Passenger Railway Company.....		44,669 93
Central Passenger Railway Company.....		7,208 04
By amount received from Park Commissioners on account of Druid Hill Park.....		5,694 42
By amount received from Park Commissioners on account of Patterson Park.....		305 00
To amount paid on warrants of the Park Commissioners.	$127,305 35	
To balance, December 31, 1890.	53,264 65	
	$180,570 00	$180,570 00

TABLE F—Continued.

Patterson Park Extension.

	Dr.	Cr.
By balance, January 1st, 1890.		$185,747 54
By amount received from Park Commission		5 78
To amount paid on warrants of the Public Park Commissioners	$ 54,593 11	
To balance December 31, 1890.	131,160 21	
	$185,753 32	$185,753 32

Riverside Park.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$4,077 00
To amount paid on warrants of the Park Commissioners	$4,076 11	
To balance December 31, 1890.	89	
	$4,077 00	$4,077 00

TABLE F—Concluded.

Federal Hill Park.

	Dr.	Cr.
By appropriation, Ordinance No. 80		$1,800 00
By amount received from Public Park Commissioners		200 00
To amount paid on warrants of the Park Commissioners	$1,995 80	
To balance December 31, 1890	4 20	
	$2,000 00	$2,000 00

STATEMENT A.

STATEMENT A.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
PUBLIC SQUARES.					
Johnston Square	$ 1,576 94	$ 1,492 61	$ 15 00		$ 99 33
Collington Square	1,600 00	1,598 12			1 88
Harlem Park	4,000 00	3,164 69			835 31
Eutaw Squares, 1st division	1,500 00	1,500 00			
Eutaw Squares, 2d division	1,500 00	1,499 33			67
Mount Vernon Squares	900 00	900 00			
Mount Royal Ave. Terraces	500 00	496 09			3 91
Park Place Terraces	500 00	420 35			79 65
Broadway Squares, 1st div.	3,000 00	3,000 00			
Broadway Squares, 2d div.	4,000 00	4,000 00			
Madison Square	3,000 00	2,998 77			1 23
Lafayette Square	1,500 00	1,500 00			
Franklin Square	1,500 00	1,500 00			
Jackson Square	800 00	800 00			

Perkins' Spring Square	1,000 00	1,000 00			
Eastern Fountain	1,000 00	1,000 00			
Ashland Square	150 00	111 37			38 63
Mt. Royal Avenue Squares	2,000 00	1,994 08			5 92
Union Square	1,300 00	1,054 73			245 27
Taney Place Squares	200 00	200 00			
Fulton Avenue Squares and Baker Circle	4,000 00	3,999 92	119 45		119 53
Warren Avenue Plat	150 00	142 64			7 36
HEALTH DEPARTMENT.					
General Health	15,368 02	14,644 62			723 40
Salaries	33,300 00	32,950 24			349 76
Nuisances	10,091 02	10,054 87			36 15
Quarantine Hospital	18,000 00	17,973 13	4,711 14		4,738 01
Post Mortems	1,500 00	1,381 20			118 80
HARBOR BOARD.					
Dredging, salaries, &c	40,000 00	23,851 94			16,148 06
Ice-boat F. C. Latrobe	10,000 00	7,463 71			2,536 29
Repairs of wharves	2,000 00	1,820 86			179 14
Dredging Spring Gardens	6,000 00	4,884 37			1,115 63
Dredging Jones' Falls	10,000 00	10,000 00			
Bulkhead at Little Hawkins' Point	1,500 00	1,495 24			4 76
	$183,435 98	$160,892 88	$4,845 59		$27,388 69

STATEMENT A—Continued.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Steam Launch for Quarantine	$ 2,000 00	$ 2,000 00	.....	.....	.....
CITY COLLECTOR.					
Salaries, incidentals, &c.....	52,600 00	52,595 70	.....	.....	$ 4 30
Appeal Tax Court.....	450 00	308 91	18 44	.....	159 53
CLEANING STREETS.					
Salaries, cleaning streets, &c.	260,062 00	259,461 09	$ 1,790 20	.....	2,391 11
Removal of garbage	8,500 00	8,500 00	.....	.....	.....
CITY POOR.					
Bayview Asylum.....	85,000 00	84,694 58	4,177 80	.....	4,483 22
House of Refuge	20,000 00	19,964 17	.....	.....	35 83
House of Reformation	10,000 00	10,000 00	.....	.....	.....
St. Mary's Industrial School.	20,000 00	20,000 00	.....	.....	.....
Baltimore University.....	4,535 00	3,953 00	.....	.....	582 00
Maryland General Hospital..	7,070 00	6,221 11	.....	.....	848 89
Mount Hope Retreat.....	37,000 00	37,000 00	2,270 00	.....	2,270 00

Maryland Hospital for Insane	25,000 00	24,990 54	1,575 00	.....	1,584 46
Deaf and Dumb at Frederick	500 00	500 00	.....	.....	.....
Maryland University	6,750 00	6,750 00	.....	.....	.....
Washington University.....	11,250 00	10,467 30	.....	.....	782 70
Female House of Refuge....	3,000 00	3,000 00	.....	.....	.....
St. Vincent's Infant Asylum.	5,000 00	5,000 00	.....	.....	.....
Home of the Friendless.....	2,100 00	2,100 00	.....	.....	.....
Nursery and Child's Hospital	3,500 00	3,486 34	.....	.....	13 66
St. Elizabeth's Colored Orphan Asylum	2,000 00	2,000 00	.....	.....	.....
Industrial Home for Colored Girls.....	1,800 00	1,800 00	.....	.....	.....
Boys' Home Society.....	3,000 00	3,000 00	.....	.....	.....
St. Mary's Female Orphan Asylum	5,000 00	4,583 33	.....	.....	416 67
Balto. Manual Labor School.	1,000 00	.....	.....	.....	1,000 00
Shelter for Aged Colored Poor	1,000 00	250 00	.....	.....	750 00
St. Mary's Home for Colored Children	500 00	291 66	.....	.....	208 34
St. Joseph's House of Industry.....	1,000 00	1,000 00	.....	.....	.....
Hospital of the Good Samaritan	1,545 00	912 29	.....	.....	632 71
	$581,162 00	$574,830 02	$9,831 44		$16,163 42

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
St. Joseph's Hospital	$1,300 00	$ 741 77			$558 23
St. Vincent's Male Orphan Asylum	900 00				900 00
DISPENSARIES.					
Homeopathic, Free	700 00	700 00			
Northeastern	900 00	900 00			
Eastern	1,000 00	1,000 00			
Southern	1,000 00	1,000 00			
Baltimore General	600 00	600 00			
Baltimore Medical	1,000 00	1,000 00			
Northwestern	400 00	400 00			
Physicians and Surgeons	1,000 00	1,000 00			
Woman's and Child's	500 00	500 00			
Baltimore University	1,000 00	1,000 00			
Maryland University	1,000 00	1,000 00			

Polyclinic, Free	500 00	500 00			
Balto. Eye, Ear and Throat Charity Hospital	500 00	500 00			
GENERAL SUPERINTENDENT LAMPS' DEPARTMENT.					
Gasoline lamps, lamp pillars, &c	11,000 00	10,995 06	176 55		181 49
Lamplighters, salaries	46,835 00	46,514 00			321 00
Inspecting gas meters			2,108 50		2,108 50
Livery and incidentals	400 00	360 50			39 50
INSPECTOR OF BUILDINGS' DEPARTMENT.					
Salaries, incidentals, &c	6,200 00	6,199 98			02
Repairs of Public Schools	9,000 00	9,000 00			
Repairs of City property	18,000 00	18,000 00			
Permits for sheds, boilers, &c.		1,218 87	8,164 25		6,945 38
Cleaning cess-pools	1,200 00	1,058 38			141 62
Building Manual Training School	12,769 32	12,769 32			
Building Primary School No. 24	16,277 35	16,277 35			
Building No. 8 Grammar School	14,338 25	14,338 25			
	$148,319 92	$147,573 48	$10,449 30		$11,195 74

STATEMENT A—Continued.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Building Morgue	4,000 00	3,800 00	.....	.....	200 00
Building No. 13 Primary School	13,096 87	13,009 80	.....	.....	87 07
Building No. 5 English and German School	24,744 92	24,389 77	.....	.....	355 15
Building No. 20 Grammar School	24,783 93	24,666 63	.....	.....	117 30
Purchase of lot and building Primary School, S. Balto.	31,000 00	30,953 80	.....	.....	46 20
Building Primary School, N. Baltimore	21,196 85	21,000 00	.....	.....	196 85
Building Male and Female Primary School No. 31	20,996 00	20,445 92	.....	.....	550 08
Purchase of lot for No. 16 Engine House	3,400 00	3,400 00	.....	.....	.....

Painting school houses	4,000 00	4,000 00			
Wood ceilings in sch'l houses	2,000 00	2,000 00			
Remodelling No. 20 Primary School	7,400 00	7,400 00			
Sanitary improvements	3,000 00	3,000 00			
Repairing Broadway Institute	600 00	600 00			
Building Public School No. 25	25,000 00				25,000 00
New pavement Centre Fish Market	2,000 00	2,000 00			
Extra help, Inspector of Buildings	500 00	500 00			
Painting Quarantine Hospital	1,000 00	1,000 00			
Paving Belair Market	800 00	800 00			
Changing stalls No. 3 and new floor at No. 10 Engine House	1,300 00	1,300 00			
Paving Centre Market	3,000 00	3,000 00			
Enclosing Eastern Female High School lot	2,175 22	2,175 22			
Skylight at Fell's Point Market	1,800 00	1,800 00			
	$197,793 79	$171,241 14			$26,552 65

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Replacing broken glass in Schools	$ 1,200 00	$ 1,200 00	.....	.....	.....
CITY COMMISSIONER'S DEP'T.					
Salaries, incidentals, &c	9,100 00	9,078 83	.....	.....	$ 21 17
Livery	600 00	395 00	.....	.....	205 00
Improvement Jones' Falls	.....	9,979 52	$10,584 62	.....	605 10
Repairs paved streets	80,000 00	79,987 72	977 02	.....	989 30
Repairs of bridges	6,763 08	6,742 36	.....	.....	20 72
Repairs of sewers	10,053 78	9,831 62	3,779 36	.....	4,001 52
Light street bridge	2,257 35	2,235 39	.....	.....	21 96
Iron plates	1,000 00	799 40	.....	.....	200 60
Flag and stepping stones	5,000 00	4,999 00	.....	.....	1 00
Cross streets	37,310 93	20,560 47	.....	.....	16,750 46
Improvement Harford Run	32,440 89	2,005 23	.....	.....	30,435 66
Repairs unpaved streets	2,000 00	1,964 25	.....	.....	35 75

Sewer in Fulton avenue	5,936 96	1,691 10	.....	4,245 86
Sewer in Preston street	63,415 05	52,893 15	12 00	10,533 90
Jenkins' Run sewer	68,323 23	32,895 24	.....	35,427 99
Presbury street sewer	16,819 41	3,782 71	.....	13,036 70
Fremont street sewer	165,581 01	67,427 95	1 66	98,154 72
Eager street sewer	47,341 41	35,313 86	.....	12,027 55
Wolfe street sewer	33,056 32	32,016 20	.....	1,040 12
Pulaski street sewer	42,419 39	31,853 87	.....	10,565 52
Boston street bridge	18,867 43	17,553 98	.....	1,313 45
Rebuilding Light street bridge	153,089 78	94,012 34	.....	59,077 44
Cedar avenue bridge	59,317 93	59,282 84	.....	35 09
Grading Cedar avenue	1,700 00	1,683 74	.....	16 26
Shelling Ridgely and Bayard streets	1,000 00	997 55	.....	2 45
Iron plates Exeter and Lombard streets	800 00	330 82	.....	469 18
Paving City property	1,000 00	541 38	.....	458 62
Low street sewer	645 02	74 96	.....	570 06
Trapping inlets, Calhoun and Lanvale streets	.....	141 80	141 80	.....
Trapping inlets, Baltimore and Carey streets	.....	125 13	125 13	.....
	$867,038 97	$582,397 41	$15,354 66	$266 93	$300,263 15

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Trapping inlets, Lexington and Howard streets		$ 5 40		$ 5 40	
Shelling Eastern avenue	$ 300 00	289 93			$ 10 07
Shelling Leadenhall street	100 00	100 00			
Traps and inlets, Broadway sewer		92 38		92 38	
Patterson Park sewer	1,808 81	237 66			1,571 15
Trapping inlets, Central ave.	350 00	274 36			75 64
Inlets Broadway sewer		2 50		2 50	
Trapping inlets, Franklin and Carey streets		99 99		99 99	
Shelling Quaker lane	100 00	78 04			21 96
Paving private alleys	983 92	983 92			
Board walk, Philadelphia road	500 00	434 40			65 60

Cross street sewer	112,000 00	4,339 82			107,660 18
Carey street relief sewer	275,000 00	7,222 40			267,777 60
Regrading Lexington street	150 00	150 00			
Paving Oak and 5th streets	275 00				275 00
Granite gutters, Madison and Calvert streets	1,400 00	1,039 55			360 45
Old material 1928 Loan			717 53		717 53
Extension Dolphin street sewer	12,000 00	11,930 52			69 48
Plans for bridges at Monroe street	250 00	225 00			25 00
Shelling Ferry Bar road	300 00	144 27			155 73
Paving Lafayette Market	15,500 00	882 25			14,617 75
Iron plates, Fulton avenue	350 00	346 43			3 57
Paving Hanover Market	12,000 00	225 92			11,774 08
Russell street bridge	5,000 00	63 94			4,936 06
Monroe street bridge	28,000 00	171 10			27,828 90
Howard street sewer	16,000 00	4,108 79			11,891 21
Paving Fell's Point Market	2,500 00	96 02	24 00		2,427 98
Shelling Fulton avenue	1,170 00	1,113 97			56 03
Trapping inlets, Fayette and Arch streets	1,050 00	1,045 58			4 42
Vaults and areas			562 60		562 60
	$487,087 73	$35,704 14	$1,304 13	$200 27	$452,887 99

STATEMENT A—Continued.

ACCOUNTS.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Repairing floor of Calvert street bridge	$ 536 05	$ 536 05			
Repairing floor of St. Paul street bridge	946 27	946 27			
Paving streets in Bolton property		789 52		$789 52	
Kerbing Fulton avenue		30 00	$100 00		$70 00
Repairing floor of Biddle street bridge	259 68	259 68			
FIRE DEPARTMENT.					
Salaries, new apparatus, repairs, &c	242,833 39	238,904 52	125 90		4,054 77
Equipping No. 15 Engine Co.	20,460 00	20,460 00			
Fire alarm boxes at various places	2,530 00	2,526 79			3 21

Fire boat for the harbor.....	35,000 00	17,574 64	.....	.....	17,425 36
MISCELLANEOUS.					
Maporalty.....	2,000 00	1,622 06	.....	.....	377 94
Transportation of poor.....	1,500 00	821 47	64 85	.....	743 38
Auction duties.....	.....	.....	7,482 58	.....	7,482 58
Superintendent of City Hall.	17,940 00	17,525 30	12 20	.....	426 90
City Librarian.....	7,500 00	6,897 18	30 84	.....	633 66
Refunded taxes.....	.....	3,802 17	.....	3,802 17	.....
Court House.....	5,976 45	5,424 58	14 50	.....	566 37
Masonic Hall	3,501 00	3,434 39	5 00	.....	71 61
General expense	1,500 00	1,259 66	.....	.....	240 34
Public printing	4,100 00	4,098 42	132 00	.....	133 58
Liquor License Commission..	10,000 00	9,998 28	.....	.....	1 72
Assistance to Examiner of Titles	1,000 00	885 00	.....	.....	115 00
Coroners	3,600 00	3,200 00	.....	.....	400 00
Liquor licenses.....	.....	.....	386,781 20	.....	386,781 20
Salaries	74,096 48	73,895 54	.....	.....	200 94
Commissioners for Opening Streets	200 00	159 68	.....	.....	40 32
Elections	20,000 00	18,515 80	.....	.....	1,484 20
Tax sales.....	.....	5,529 90	6,558 90	.....	1,029 00
	$455,479 32	$439,096 90	$401,307 97	$4,591 69	$422,282 08

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Transportation to House of Correction	$ 478 50	$ 376 40	.....	.....	$ 102 10
Maryland Institute	6,000 00	6,000 00	.....	.....	.....
Insurance of Bayview Asy'm	1,295 00	1,280 00	.....	.....	15 00
Ringing Mechanics' Bells	200 00	200 00	.....	.....	.....
Winding Md. Institute clock	75 00	75 00	.....	.....	.....
Enoch Pratt Free Library	50,000 00	50,000 00	.....	.....	.....
Ice boat Annapolis	10,000 00	10,000 00	.....	.....	.....
Intestate estates	.....	731 60	$ 731 60	.....	.....
Removal of refuse of packing houses	2,000 00	2,000 00	.....	.....	.....
Rent of Circuit Court No. 2	900 00	900 00	.....	.....	.....
Care of Circuit Court No. 2	744 00	694 19	.....	.....	49 81
Sale of City property	.....	119 78	1,971 50	.....	1,851 72
Lot for Public School No. 25	14,000 00	.....	.....	.....	14,000 00

New building for insane at Bayview	35,000 00	27,843 15	.....	.....	7,156 85
Hose for Street Cleaning Department	125 00	.....	.....	.....	125 00
Drinking fountain, North and Eager streets	75 00	75 00	.....	.....	.....
Baltimore Light Infantry	2,000 00	2,000 00	.....	.....	.....
Entertainment officers U. S. Ship Baltimore	1,000 00	.....	.....	.....	1,000 00
Purchase of Carroll Park	45,000 00	44,500 00	.....	.....	500 00
Turnpike dividends	.....	.....	280 90	.....	280 90
Telephone conduits	.....	.....	1,500 00	.....	1,500 00
Bolton Depot property	.....	.....	54,000 00	.....	54,000 00
	$168,892 50	$146,795 12	$58,484 00		$80,581 38

STATEMENT B.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Opening Collington avenue	$ 500 00	$ 831 65	.....	$ 331 65	.....
Opening McCulloh street	.....	1,579 45	.....	1,579 45	.....
Opening Richardson street	5,667 09	14,052 38	$8,557 03	.....	$ 171 74
Opening Pulaski street	.....	79 65	2,048 34	.....	1,968 69
Opening Nanticoke street	8,668 11	12,476 67	3,988 30	.....	179 74
Opening Carroll street	10,126 05	19,264 90	9,348 48	.....	209 63
Opening Russell street	777 36	440 13	375 00	.....	712 23
Opening Spring street	1,632 25	2,105 16	689 86	.....	216 95
Opening Orleans and Low Sts.	.....	528 89	.....	528 89	.....
Widening E. Baltimore St.	.....	1,566 45	.....	1,566 45	.....
Opening Madison street	4,804 14	2,328 34	767 00	.....	3,242 80
Opening Race street	946 60	.....	278 31	.....	1,224 91
Opening Scott street	3,525 94	5,717 50	2,824 25	.....	632 69
Opening Carey street	4,812 05	10,224 50	4,409 87	1,002 58	.....
Opening Cooksie street	.....	.....	438 75	.....	438 75

Opening Douglas street	.....	158,217 97	94,869 70	63,348 27	.....
Opening Calhoun street	4,878 21	9,810 36	3,709 09	1,223 06	.....
Opening Fairmount avenue	17,100 00	25,958 28	9,401 15	.....	542 87
Opening Carrollton avenue	5,571 87	10,201 73	3,918 37	711 49	.....
Opening Mt. Royal avenue	.....	.....	515 92	.....	515 92
Opening Ann street	.....	109 58	.....	109 58	.....
Opening Regester street	.....	133 93	.....	133 93	.....
Opening Lanvale street	10,936 50	22,016 88	9,289 02	1,791 36	.....
Opening Chester street	2,536 88	3,876 25	1,624 37	.....	285 00
Opening Patapsco alley	715 14	131 06	440 74	.....	1,024 82
Opening Cemetery lane and Tenant street	.....	108 62	.....	108 62	.....
Opening Mount street	.....	32 10	.....	32 10	.....
Opening Clement street	5,816 29	10,822 92	2,213 66	2,792 97	.....
Opening Brice alley	.....	32 10	.....	32 10	.....
Opening Federal street	.....	276 25	.....	276 25	.....
Opening Beason street	2,185 83	4,189 40	937 50	1,066 07	.....
Opening W. Baltimore St	.....	42 55	.....	42 55	.....
Opening Rope Walk lane	.....	40 50	.....	40 50	.....
Opening Hollins street	.....	102 75	.....	102 75	.....
Opening Webster street	.....	26 78	.....	26 78	.....
Opening Randall street	.....	26 13	.....	26 13	.....
Opening Frances street	.....	40 50	.....	40 50	.....
	$91,200 31	$317,392 31	$160,644 71	$76,914 03	$11,366 74

STATEMENT B—Continued.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Opening Florence street		$ 40 50		$ 40 50	
Opening Brevard street		147 09		147 09	
Opening Bouldin alley		26 15		26 15	
Opening Patterson avenue		41 13		41 13	
Opening Stoddard alley		41 78		41 78	
Opening Lovegrove alley		304 62		304 62	
Opening 10-feet alley, McKim to Hillman		41 78		41 78	
Opening Whitelock street		41 15		41 15	
Opening Fifth street		104 13	$97 05	7 08	
Opening Burke street	$14,193 83	19,206 80	5,349 46		$336 49
Opening Pinkney alley		42 90		42 90	
Opening Towson street		26 15		26 15	
Opening Morris alley		26 15		26 15	
Opening Nicholson street		42 53		42 53	

Widening Fayette street	.....	100 90	.....	100 90	.....
Opening Lawrence street	5,901 13	6,573 36	1,003 74	.....	331 51
Opening Chew street	.....	50 00	.....	50 00	.....
Opening Wooster street	4,780 18	7,697 25	3,266 86	.....	349 79
Opening Johnson street	4,479 03	9,970 05	1,980 87	3,510 15	.....
Opening Barclay street	24,195 89	28,744 37	4,825 82	.....	277 34
Opening Biddle street	3,567 01	7,334 00	4,104 96	.....	337 97
Opening Cannon street	364 00	364 00	.....	.....	.....
Opening Donaldson street	26 34	.....	.....	.....	26 34
Opening Covington street	1,456 02	.....	.....	.....	1,456 02
Opening Townsend street	10,827 78	17,409 22	4,537 10	2,044 34	.....
Opening Etting street	1,182 78	2,341 59	123 75	1,035 06	.....
Opening Oliver street	9,616 99	12,043 48	1,602 50	823 99	.....
Opening Mosher street	8,602 20	15,305 10	7,073 00	.....	370 10
Opening Castle alley	.....	227 00	.....	227 00	.....
Opening Allen street	.....	279 25	.....	279 25	.....
Opening Cleveland street	.....	150 37	.....	150 37	.....
Opening Ward street	.....	261 68	.....	261 68	.....
Opening Riggs avenue	.....	420 62	.....	420 62	.....
Opening Eutaw street	.....	12 45	.....	12 45	.....
Opening Chase street	.....	246 65	.....	246 65	.....
Opening Andre street	.....	.....	523 00	.....	523 00
Opening Stockholm street	.....	11 00	.....	11 00	.....
	$89,193 18	$129,675 20	$34,488 11	$10,002 47	$4,008 56

STATEMENT B—Continued.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Opening Porter street		$ 2 00		$ 2 00	
Opening Durham street		236 08		236 08	
Opening Penn street		300 00		300 00	
Widening Union Dock		248 98		248 98	
Closing 15-feet alley from Collington avenue		795 11	$ 921 35		$126 24
Closing Brown's lane		32 10	185 37		153 27
Closing Point lane		2 00		2 00	
Closing Fourth lane		902 25	1,069 27		167 02
Closing Birckhead street		10 88		10 88	
Closing Morris alley		65 85		65 85	
Closing Carey street			188 89		188 89
		$2,595 25	$2,364 88	$865 79	$635 42

TABLE G.

Amount paid for paving streets, also the amount received from the City Collector, payments by sundry parties.

	Dr.	Cr.
Paving Cathedral street	$38,049 13	$1,461 57
" Madison avenue	9,117 11	186 17
" Fulton avenue	10,470 75	3,330 84
" Mt. Royal avenue	5,572 64	3,913 06
" Hoffman street	238 48	
" Orleans street	638 96	81 43
" Clement street	2,238 07	3,467 12
" Falls road	42 25	
" Wilkens avenue		408 25
" Monroe street	20,824 50	21,671 68
" East street	976 61	
" Gold street	30 00	982 12
" Harlem avenue	30 00	
" Washington avenue	4,922 08	6,053 26
" Monument street	4,464 58	
" Lanvale street	779 81	2,261 50
" Federal street	18,266 19	672 73
" Oliver street	6,251 28	
" Alley near Wilkens Ave		182 30
" E. Biddle street		519 69
" Patterson Park avenue		1,358 71
" North avenue	1,289 82	152 27
" Gay street		58 78
Amounts carried forward	$124,202 26	$46,761 48

	Dr.	Cr.
Amounts brought forward.	$124,202 26	$46,761 48
Paving Holbrook street.....	504 76	198 83
" Cannon street.....		1,014 75
" McCulloh street.....	186 45	
" Mulberry street.....	667 96	
" Dolphin street.....	5,051 28	
" Box alley.....	135 22	
" Ostend street.....	715 85	
" Eagle street.....		13 52
" E. Baltimore street..	114 59	23 82
" Smallwood street....	81 21	
" Bradford alley.....		7 74
" Exeter street.....	30 00	
" Wolfe street.....	138 59	
" interest.....		486 29
By balance Decemb'r 31, 1890.		83,321 74
	$131,828 17	$131,828 17

STATEMENT H.

Showing Amounts Expended in the Annexed Territory.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Gas and electric lights	$ 6,159 98	$ 6,069 74	.....	.....	$90 24
Livery	300 00	280 00	.....	.....	20 00
Lamp pillars and lamps	5,634 25	5,614 25	.....	.....	20 00
Lamplighters' salaries	8,970 00	9,312 86	.....	$342 86	.....
Health, salaries	2,600 00	2,600 00	.....	.....	.....
Fire Department	31,935 82	31,927 43	$8 50	.....	16 89
Cleaning streets	17,284 00	15,631 63	.....	.....	1,652 37
Nuisances	1,812 00	1,694 31	.....	.....	117 69
Repairs streets, roads, &c	11,557 76	11,934 69	160 00	216 93	.....
Public schools, general	13,215 70	13,215 66	.....	.....	04
" " salaries	63,000 00	61,784 30	.....	.....	1,215 70
Repairs City property	3,000 00	3,000 00	.....	.....	.....
	$165,469 51	$163,064 87	$168 50	$559 79	$3,132 93

STATEMENT H—Continued.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Building Annex School No. 3	$25,000 00	$24,466 22	.....	.....	$ 533 78
" " " No. 4	20,528 25	20,517 85	.....	.....	10 40
Special assessment.....	1,572 90	.....	.....	.....	1,572 90
Shelling Maiden's Choice road	42 29	40 32	.....	.....	1 97
Shelling North avenue.....	2,500 00	2,485 19	.....	.....	14 81
Shelling Loney's lane and Philadelphia road.....	600 00	599 98	$ 83	.....	85
Shelling Point lane.....	260 00	223 90	.....	.....	36 10
Fire plugs at Carroll.....	341 33	341 33	.....	.....	.....
Board walk, Calverton road.	100 00	99 91	.....	.....	09
Refunded taxes.....	.....	265 37	.....	$265 37	.....
Macadamizing Park Heights avenue	6,000 00	5,995 70	.....	.....	4 30
Shelling Old York road.....	1,000 00	952 93	.....	.....	47 07
Macadamizing Calverton road	2,000 00	1,995 35	.....	.....	4 65

Dressing Remington and other avenues	2,500 00	2,499 70	.....	.....	30
Repairing Union and Third avenues and Woodberry la.	1,000 00	998 62	.....	.....	1 38
Shelling Gilmor lane	800 00	780 64	.....	.....	19 36
" Friendship lane	400 00	.....	.....	.....	400 00
Culvert on Jefferson street	1,500 00	1,486 62	.....	.....	13 38
Drinking fountain on Garrison lane	75 00	75 00	.....	.....	.....
Hydrant at school house, Woodberry lane	25 00	25 00	.....	.....	.....
Repairing Hillen road	500 00	476 95	.....	.....	23 05
" Reece street	300 00	278 50	.....	.....	21 50
Purchase of lot and building Annex School No. 13	30,000 00	18,676 94	.....	.....	11,323 06
Taxes in Annex for the year 1888	.....	32 59	814 86	.....	782 27
Shelling Jenkins' lane	250 00	230 00	.....	.....	20 00
Repairing Millington avenue	1,000 00	999 61	.....	.....	39
	$98,294 77	$84,544 22	$815 69	$265 37	$14,831 51

ANNUAL REPORT

— OF THE —

Inspector of Buildings

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31, 1890.

REPORT.

OFFICE OF INSPECTOR OF BUILDINGS,
CITY HALL.

BALTIMORE, MD., December 31st, 1890.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

I have the honor to present for your consideration, the following report of the operations of this Department, for the year ending December 31st, 1890.

NEW SCHOOL HOUSES

The closing year has been a very busy one for this Department; eleven new school houses have been completed, besides extensive alterations and additions to No. 20 Primary School and the partial erection of No. 13 Annex School.

Manual Training School, Courtland Street.

As directed by Ordinance No. 84, a new building in connection with the above school has been erected, and

was accepted by the Mayor and School Commissioners May 1st, 1890. It is a good substantial school house, five stories high, including basement, and contains eighteen class and drawing rooms, one large assembly room occupying the whole of the first floor, ample stairway, a natatorium and other conveniences. The contractor was the late Mr. Charles Dunn, and the building was erected within the amount appropriated, $25,000.

Primary School, No. 13, *Patterson Park Avenue and McElderry Street.*

This building has been completed, as enjoined by Ordinance No. 133, which appropriated $21,000.00 for the purpose. It contains twelve class rooms, two teachers', one book and eight hat and coat rooms, is amply provided with exit and stairways, and is substantially built. The Smead system furnishes heat, ventilation and closet accomodation. Mr. F. T. Gallagher was the contractor; the cost of the building was within the amount appropriated, and the house was accepted by the City authorities July 8th, 1890.

Grammar School, No. 8, *Hollins and Monroe Streets.*

This new house has been completed; it contains the same number of rooms and other conveniences as the last named school house. The contractor was Mr. J. J. Willis, and the work was satisfactorily performed within the amount appropriated ($21,000.00) by Ordinance No. 142.

Primary School, No. 24, Lancaster and Patuxent Sts.,

Contains twelve class rooms, and other necessary conveniences for teachers and scholars; it is well provided with exits and stairways, and heated and ventilated by the Smead system. Ordinance No. 132 appropriated $21,000.00 for this building, and the work was executed to my entire satisfaction within the amount appropriated. Mr. Jas. B. Yeatman was the contractor, and the house was completed and accepted April 1st, 1890.

English-German School, No. 5, Lexington Street, near Fremont.

This house was completed on the 1st of July, 1890; it contains sixteen class rooms, two teachers', one book, and ten hat and coat rooms, spacious corridors and halls, and ample means of egress. Smead's system supplies heat, ventilation and closet accommodation. The contract was awarded to Messrs. Philip Walsh & Sons, and the work was satisfactorily executed within the amount appropriated, $25,000.00, which was provided for by Ordinance No. 143.

Grammar School, No. 20, Federal and Eden Streets.

Ordinance No. 126 appropriated $25,000.00 and enjoined the erection of this house. The building contains the same number of rooms and similar accommodations to the last named school house. The cost was

within the amount appropriated, and the contractor, Mr. Jas. B. Yeatman, has made a very creditable job. The house was completed and accepted July, 1890.

Primary School, No. 32, *Guilford Avenue and Lanvale Street.*

Ordinance No. 129 provides $21,000.00 for the erection of this building, and it has been completed within that amount. This house is a well built and handsome structure, it contains twelve class rooms, each of which have windows on two sides, and are provided with separate hat and coat rooms, a teacher's room on each floor, spacious halls and abundant means of egress. Smead's system was also adopted in this building. The house was finished and occupied by the September term, 1890.

Primary School, No. 33, *Light and Clement Streets.*

This building is of similar design and construction to the last named house, and contains the same number of rooms and other conveniences. Ordinance No. 131 provided $21,000.00 for its erection, and the cost was below that amount. The house was finished and accepted November 13th, 1890.

Primary School, No. 31, *Schroeder and Pierce Streets,*

Is an attractive and substantially built house, containing twelve class rooms, and all other necessary con-

veniences for teachers and scholars. The amount appropriated was $21,000.00, provided for by Ordinance No. 167, and the school was built at a cost within that amount; it was completed and accepted November 13th, 1890. Mr. Jas. B. Yeatman was the contractor for this and the two last named school houses, and it gives me pleasure to commend him for the excellent character of his work in each.

Primary School, No. 34, *Huntingdon Avenue, near Charles Street.*

This school house was erected as enjoined by Ordinance No. 134, which provides $18,000.00 for the purpose. It contain twelve class rooms with light on two sides, and separate hat and coat rooms to each. Ample accommodations are also provided for both teachers and scholars. The house is substantially built with an attractive exterior. It was completed and accepted November 20th, 1890. Mr. J. J. Willis was awarded the contract, and the work has been executed in a very creditable manner.

Annex School, No. 4, *Chestnut Ave. near Fourth St.*,

Contains twelve class rooms, two teachers' rooms, one book and eight hat and coat rooms. Smead's system furnishes heat, ventilation and the necessary closet accommodations. It has spacious corridors and ample means of exit. Ordinance No. 128 provides $21,000.00

and enjoins the erection of this school, which has been completed within that amount. Mr. J. J. Willis was also the contractor for this building.

Annex School, No. 13, *North Ave. and Washington St.*

As directed by Ordinance No. 11, this house is now being erected. Mr. A. S. Brown is the contractor, and the building is under roof. The indications are (weather permitting) that it will be completed by March, 1891. The appropriation is $25,000.00.

Primary School, No. 20, *Preston and Eden Streets.*

This house has been completely remodeled. Corridors have been formed the entire length of the building on each floor, making all the class rooms private, three new stairways erected, the east wall extended, two new class rooms built on the southwest corner, ten hat and coat rooms provided in situations convenient for each class room, and a new front entrance formed with granite steps and platform and ornamental iron railing all complete. Resolution No. 89 appropriated $7,400.00 for this work, which has been executed within the amount. Mr. J. J. Willis was the contractor.

Primary School, No. 25, *Bond Street, near Eastern Avenue,*

For which an appropriation of $25,000.00 was made, has not been commenced, owing to some misunderstanding about the lot.

Eastern Female High School, Aisquith and Orleans Streets.

In accordance with Resolution No. 119, a substantial brick wall, with heavy granite coping, was erected on the north and west side of school yard to this house. The north yard was also paved. The rough brick-work in gable (exposed when adjoining building was torn down) was refaced, and a new closet built.

REPAIRS TO SCHOOL HOUSES.

New sanitary closets, floor and joists were put in No. 1, Druid Hill avenue. New glazed partitions were erected in No. 5, Broadway and Chew street, and No. 21, Pennsylvania avenue. New tin roof was put on No. 25, Caroline street. Twenty-one school houses were repainted, mostly two-coat work. New fences were put up and old ones repaired, paving renovated, broken glass and window cords replaced, and the whole of the school houses overhauled and the necessary repairs executed.

NOTE.—An appropriation of $1,200.00 was made by Resolution No. 129 to replace glass broken in windows by the hail-storm April 27th, 1890. This amount fell short of the cost of the work by several hundred dollars; the deficiency was made good from the sum appropriated for repairs to school houses.

ENGINE HOUSES.

No. 3 Engine House, East Lombard Street.

The stalls were removed from rear of house and new ones placed on either side the apparatus. A sitting room was erected in rear, stairway changed and a new floor laid to engine house. This change has greatly increased the facilities of the building.

No. 10 Engine House, Columbia Avenue.

This house had new stalls erected, a new granolithic pavement laid, a new roof put on, and was painted inside and out.

New sanitary closets were put in No. 1, Paca street, No. 8, Mulberry street, and No. 12, Fort avenue.

No. 4, Lexington st., had a new pavement in yard.

No. 8, Mulberry street, and No. 2, Barre street, were painted inside and out.

No. 7, Eutaw street, had a new hose tower erected and a new roof put on stable.

No. 5, Ann street, also had a new roof put on.

No. 12, Fort Avenue, had a new floor laid.

All other necessary repairs have received proper attention.

We are indebted to Chief Hennick and his staff for valuable aid and assistance in keeping the Engine Houses in repair.

MARKET HOUSES.

As directed by Resolution No. 90, new ventilators and skylights were placed on the roof of two of the Broadway Market houses, and both of the houses repainted. New valleys were also put on the roofs of this market.

The Broadway Institute was repaired and painted for the Howard Zouaves, in accordance with Resolution No. 209. Hollins Hall and Cross Street Hall both received two good coats of paint outside.

Hanover, Centre, Lafayette and Cross Street Market houses had the roofs painted. Cross Street and Lexington Markets had new valleys put on roofs. Centre Market, between Lombard and Pratt, and the Fish Market, had new granolithic pavement laid, as directed by Resolution No. 87.

At the suggestion of his Honor the Mayor, the concealed drain pipes from the butchers' stalls in Lexington Market were abandoned and surface drains formed

to carry away the drip from ice boxes, etc. This desirable change has relieved the market of a nuisance which caused many complaints to be made by the butchers and other occupants of this market.

I would respectfully suggest that an appropriation be made for new asphalt sidewalks to the Lexington Market. It will cost about $4,400 to make this much needed improvement; also, that all markets needing extensive repairs to paving be paved with granolithic or some other material equally as good.

CITY HALL.

The defective water closets in the Mayor's office, Council Chamber and Health Department were removed and replaced with new sanitary closet apparatus; and similar closets were also put in for the use of the City Commissioner, Inspector of Lamps and the Supervisors of Elections.

Several offices were newly frescoed, the dome was thoroughly examined and the bolts tightened, and all needed repairs received proper attention.

I would respectfully suggest that an appropriation be made for removing the present stairways in the City Hall, and substituting a platform stairs without winders, replacing the present treads with some less slippery material.

COURT HOUSES.

The City Court was painted and frescoed, and the other courts were kept in proper repair.

CITY JAIL,

Has been kept in good repair to the satisfaction of the Warden.

CEILINGS OF SCHOOL HOUSES

During the past year, about forty of the most dangerous plaster ceilings were removed and wood ceilings substituted. This leaves about four hundred and sixty class rooms with plaster ceilings.

I would respectfully request the usual appropriation be continued until all these are replaced with wood or iron, and the danger removed.

CITY MORGUE.

Ordinance No. 156 enjoined the erection of this building. It has been built on the southwest corner of Lancaster and President streets, and will be completed in a few weeks. The City will then possess a more convenient and better equipped Morgue than any city visited by Dr. Rohe and myself. Only $4,000.00 was appropriated for this building, and the amount will not be exceeded.

MARINE HOSPITAL.

The buildings at Hawkins' Point were renovated and painted, as directed by Resolution No. 84.

DOG POUND.

A new iron cage was made, a board-walk laid, a new tin roof over office put on, and the buildings and fences repaired and whitewashed.

BAY WINDOWS AND STORE FRONTS.

I would respectfully suggest that when special permits for bay windows, larger than the code prescribes, are granted by your Honorable Bodies, an extra fee shall be charged, at the same rate per superficial foot of area as the law now directs shall be charged for bay windows two feet by ten feet, that is, $5.00 per foot for the first story and fifty cents for the upper stories; also that an ordinance be passed requiring the payment of a fee of $5.00 or more for all permits issued for store fronts projecting beyond the building line; this would be but a nominal fee for a valuable concession, as the space occupied is seldem less and often considerably more than is occupied by bay windows for which a fee is charged of $100.00.

BUILDING LAWS.

At the next session of the Legislature, I trust, authority will be given the Mayor and City Council to pass a code of Building Laws to regulate the construction and inspection of all new buildings. The flimsy and dangerous buildings now being erected are a disgrace to our City.

FIRE ESCAPES, DANGEROUS WALLS, ETC.

Whenever my attention has been called to factories, warehouses and other buildings with deficient means of exit, I have visited such buildings and issued notices for the erection of fire-escapes wherever in my judgment they were needed. During the year I have examined and condemned, or ordered to be restored and made secure, about 107 dangerous walls, besides issuing 253 notices for repairs to spouts, cornices, chimneys, etc.

CESS-POOLS.

All cess-pools have been looked after, and those needing it have been well cleaned.

THE ANNEX.

Repairs to School Houses.

No. 11, Frederick Road, had a substantial stone wall built in front of school, a new tin roof put on part of the building, and other necessary repairs executed.

No. 10, Old Frederick Road. The front yard was paved, and new gutters placed on roof.

No. 3, Oak street. The sidewalks on Oak and Fifth streets were graded and paved, new shutters were hung to the windows on the Oak street front, and the school painted inside and out.

No. 1, Gorsuch avenue, Homestsad, was repainted inside and out, and the sidewalks on Gorsuch avenue and Tyler street were graded and paved.

No. 2, Waverly, was painted inside.

ENGINE HOUSES.

The Engine Houses were all kept in as good repair as the small appropriation would admit.

The tables accompanying this report will show:

A. The amount of appropriations and disbursements of this Department during the year 1890.

B. The revenues of this Office for the same period.

C. The estimate of the amounts required for this Department for 1890.

All of which I most respectfully submit.

J. THEO. OSTER,

Inspector of Buildings.

TABLES.

TABLE A.

Showing the amounts appropriated and disbursed for the year 1890.

	Appropria'n	Expended.	Balance.
For repairs of Public School Houses	$ 9,000 00	$ 9,000 00	.....
" repairs of City property. ..	18,000 00	18,000 00	....
" substituting wood for plaster ceilings	2,000 00	2,000 00	.....
" emptying cess-pools	1,200 00	1,058 38	$141 62
" painting school houses	4,000 00	4,000 00	.....
" incidental expenses and livery	700 00	700 00	.....
" salaries	5,500 00	5,500 00	....
" sanitary improvements	3,000 00	3,000 00	.....
" repairs to City property in Annex	3,000 00	3,000 00	.....
" extra help	500 00	500 00	....
" building of No. 32 School	21,000 00	21,000 00	.....
" " No. 33 School	21,000 00	20,953 80	46 20
" " Man'l Training School	12,769 32	12,769 32	.....
" building of No. 13 Primary School	13,096 87	13,096 87	.....
" building of No. 24 Primary School	16,277 35	16,277 35	.....
" building of No. 8 Grammar School	14,338 25	14,338 25	....
" building of No. 20 Grammar School	24,783 93	24,666 63	117 30
" building of No. 5 English-German School	24,744 92	24,389 77	355 15
Amout carried forward..	$194,910 64	$194,250 37	$660 27

TABLE A.—Continued.

Showing the amounts appropriated and disbursed for the year 1890.

	Appropria'n	Expended.	Balance.
Amount brought forward	$194,910 64	$194,250 37	$660 27
For building of No. 4 Annex School	20,528 25	20,517 85	10 40
" building of No. 3 Annex School	18,000 00	17,957 47	42 53
" building of No. 25 School	25,000 00	.....	25,000 00
" " No. 13 School	25,000 00	13,589 87	11,410 13
" " No. 31 School	20,996 00	20,445 92	550 08
" remodeling No. 20 Primary School	7,400 00	7,400 00	.....
" painting and repairing Marine Hospital	1,000 00	1,000 00	.....
" enclosing Eastern Female High School	2,175 22	2,175 22	.....
" replacing broken glass in school houses	1,200 00	1,200 00	.....
" paving Centre Market bet. Pratt & Lombard Sts.	3,000 00	3,000 00	.....
" new pavement Centre Fish " Market	2,000 00	2,000,00	.....
" changing stalls at No. 3 and new floor at No. 10 Engine Houses	1,300 00	1,300 00	.....
" Fell's Point Market skylights	1,800 00	1,800 00	.....
" Broadway Institute	600 00	600 00	.....
" paving Belair Fish Market	800 00	800 00	.....
" building Morgue	4,000 00	3,800 00	200 00
	$329,710 11	$291,836 70	$37,873 41

TABLE B.

Showing the Revenues of this Office for the year 1890.

Permits issued as follows:		
For 27 bay windows from the ground	$2,700 00	
For 65 bay windows at upper stories	650 00	
For 665 frame sheds	2,197 31	
" 233 additions to sheds	267 07	
" 817 bath rooms	817 00	
Amount received for old materials	17 87	
Amount received for tapping sewers	25 00	
		$6,674 25
Amount received for advertising applications	$1,490 00	
Paid for same	1,218 87	
		271 13
Net Revenue		$6,945 38

TABLE C.

Showing the amount required for this Department for the year 1891.

For repairs of Pulic School houses	$10,000 00	
For substituting wood or iron for plaster ceilings	4,000 00	
For painting school houses	5,000 00	
" emptying cess-pools	1,200 00	
" incidental expenses, livery and repairs to wagons	700 00	
" salaries	5,500 00	
" repairs to City property	21,000 00	
" sanitary improvements	3,000 00	
" extra out-door help	1,000 00	
		$51,400 00
For repairs to Shool and Engine houses in the Annex		6,000 00
For building No. 13 Annex School	11,410 13	
For building No. 25 Primary School	25,000 00	
For building Morgue	200 00	
		$36,610 13
Total		$94,010 13

ANNUAL REPORT

—OF THE—

CITY LIBRARIAN

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

Fiscal Year Ending December 31, 1890,

REPORT.

City Library,

Baltimore, Md., December, 31st, 1890.

To the Honorable the Mayor
and City Council of Baltimore, Md.

Gentlemen:

In compliance with the requirements of Section 11, Article XXXII, of the City Code, I have respectfully to submit the following annual report, as required therein of this department, for the year ending at this date.

Having been appointed by His Honor the Mayor, City Librarian, and confirmed by the Council, I took charge of the office upon March 3d, 1890. Without the courtesy upon the part of my predecessor to explain any of the many duties of the position, and his failure to furnish an inventory of the property in his custody as requested, I learned from Section 2 of the Article above referred to, that "under the supervision and direction of the Register of the City," what the duties of the Librarian were. I, therefore, called upon

that official, and together we made an inspection of the eleven rooms under my charge and noted their condition.

Section 2 of the Code also requires: "The said Librarian shall arrange and classify, so as easily to be found when needed, all the books, documents, records, papers, ordinances and resolutions and proceedings hereby placed and hereafter to come under his charge and keeping, and the said Librarian shall furthermore carefully collect and arrange and safely keep a complete series of ordinances and resolutions and proceedings of the Mayor and City Council, and all other books, papers and memorials relating to Baltimore, from its beginning as a town to the present time, and shall continue the same annually; and he shall not permit any book or books, or document of said series, to be taken or removed by any one from the City Library, and he shall permit no other book, document, record or paper of any sort to be taken from the City Library, except by City officers, and then only on a written receipt from such City officer, &c., and shall see that no books, documents, records or papers of any sort be lost or mislaid by said City officer; he shall also carefully index in a book, to be kept for that purpose, all the books, documents, records and papers of said library, &c., &c."

This portion of the above law has never been complied with so far as I can ascertain, except as to the Council papers, of which the Assistant Librarian had made an index and an imperfect index of the City

plats. In reference to the latter I will say that in overhauling the various rooms under the custody of this department, I found in one or the other of the same about 281 miscellaneous plats, some original and valuable, which I have had placed where they belong, and have had the whole newly and thoroughly recorded and indexed. I will further say that there has never been otherwise a catalogue, record or index of any of the other books and papers in the custody of this department that I can find, until I undertook the same last March, and from that time until the weather was too warm for my assistants to work in dark, hot and unventilated rooms, where gas was needed at mid-day, the work was rigorously prosecuted, and we succeeded in cataloguing rooms Nos. 2, 5, 5½, 7, the plat room and library proper.

When, after the warm weather, I was ready to continue this back work, I was called upon by the Supervisors of Elections to purchase, assort, pack and deliver to the Officers of Registration, all the books, blanks and stationery supplies that they needed. This labor for the time, and until after the last sitting of the registration officers, put a stop to all work upon the business proper of this department, beyond filling the requisitions of the several City departments.

NEW AND ADDITIONAL WORK.

Immediately after winding up the affairs of registration under the new election law, the Supervisors of Elections further put upon this department the duty of

supplying the election judges and clerks with all the supplies they needed (except ballots), a duty heretofore performed by the Police Department, and here again were my efforts to perform the duties prescribed in Section 2 stopped until November 5th.

In addition to these matters, my assistants are being constantly stopped to accompany citizens and others to examine plats, search up records, &c., that frequently occurs several times a day, and occasionally takes an hour or more.

If you gentlemen will examine Section 2, you will see that the Librarian is custodian "of all books and documents of every description, and the archives, records, papers and proceedings of the Corporation (except those relating to the titles of City property), now in the possession of the City authorities, or which may hereafter come into their possession, &c." Under the magnitude of this work it can readily be observed that not much blame can be laid at my predecessor's door, with only one authorized assistant and another at the paltry salary of $30.00 per month, paid out of his appropriations as a necessity, did not comply with the stupendous and impossible work for his force. Just here and in this connection, I will say that for the proper and efficient conduct of the duties of this office it is absolutely necessary to have in addition to my authorized assistant, two additional clerks, in order to comply with the law in the arrangement and recording of the papers in this department yet to be attended to,

and which in years never have been, and, to satisfy you gentlemen of this fact, I would respectfully invite a committee of your Honorable Bodies to make an investigation for yourselves, and you will readily observe the necessity and economy of my suggestion.

Another and most essential thing needed is more room and a concentration of the business in my charge, as at present we have eleven rooms all scattered throughout the hall, and necessarily hard to overlook and supervise.

I would suggest that proper racks, cases and patent files be procured to file away the papers and archives of the Council and the valuable papers of the several departments, in order to preserve them systematically, instead of having them scattered about in boxes and cuddies as they are at present. Many books and papers have become badly damaged for the want of proper cases in which to file them, and also because of leaks from the roof and dust that has settled upon them.

The records and archives of the City are necessarily valuable and should, in my judgment, be carefully protected from loss and damage, as there is no telling at what moment the most apparently valueless (at present) record, document or voucher may be needed in the interest of some citizen or the City itself. There are frequent calls for all manner of documents and information at the library, and the Council should, I re-

spectfully suggest, make the proper provision of quarters, conveniences, appliances and clerical force to carry out these ideas of the law.

There should also be a telephone in the library, to save the time of its employees in running to and fro to the contractors and other places, which interrupts attention to their duties, that could be as well and more quickly attended to by a telephone. This would also be a great convenience to the Council itself, as the library is the only department of the City Government required to be kept open the entire day and at night during the session of the Council.

VALUABLE RECORDS.

There are about 150 volumes in the library proper that require re-binding, and about 44 assessment and plat books in the office of the Appeal Tax Court that also sadly need it, and others in the office of the City Comptroller.

In addition to this there are very many old and valuable original historical documents that are going to wreck, and should be mounted upon tracing linen and then bound or framed, as the case may be, in order to preserve them for future generations. I merely mention a few of these documents to briefly give an idea of their characters, viz :

Petitions—to Mayor Calhoun "against erecting a City Hall;" to Mayor and Council "against permitting theatrical and circus performances," in 1812; of

"Charles Carroll and others," in 1830; against "disturbances of religous services by the passing of carriages," &c., in 1802, and one of the Roman Catholic congregation," in 1800. Then there is the "Tax List for 1797;" list of property held by the Corporation in 1825; agreement between Commissioners and Charles Jessop for building bridge over Jones' Falls in 1797; address President Monroe in 1819; letters from Presidents Madison and Monroe, Secretary of State, Levi Lincoln, 1801; Governor Ogle, in 1800, and General John Stricker, and also an account of monies, with receipts in detail, expended on account of the funeral of General George Washington in 1799. These and any quantity of others, equally valuable, will be of great interest in the future to the City and its visitors, and steps for their protection and permanent preservation should be no longer neglected, and to this end I respectfully recommend that the sum of one thousand dollars, or so much thereof as may be needed to perfect this work, be specially appropriated by your Honorable Body.

PROPOSALS FOR STATIONERY AND PRINTING.

Section 5 reads: "It shall be the duty of the City Librarian, twenty days prior to the first day of January in each year, to advertise for proposals for furnishing all such stationery and printed matter as may be required by the respective departments of the City Government for the ensuing fiscal year; *no proposals shall be received from any but those actually engaged in the printing and stationery business in Baltimore;*

such proposals, when received, shall be opened and the contracts awarded in the manner perscribed by Sections 51 to 54 of Article 1, of this Code; *the right to reject any bid that shall not be deemed for the best interest of the City, is hereby reserved.*"

The portions *italicised* are to ask your special attention to the same, and wherein you will, first, observe, that "no proposals shall be received from any but those actually engaged in the *printing and stationery business in Baltimore.*" Now firms of this character are few, in comparison with those persons "*actually* engaged" in "the printing" or "stationery business" in Baltimore. The present law excludes every printing establishment in this City, of which there are many, including the newspaper job offices, that are not in the "stationery business," and every dealer in the stationery business, also in Baltimore, whereof also there are numbers who are not in the "printing business." Hence it can be readily seen that in the present law "the few are favored at the expense of the many," not to speak of the great injustice done the City in thus making it dependent upon a syndicate that fixes its own prices, when, should the law read "printing *or* stationery," instead of "printing *and* stationery," a right would be be given the City to protect its own interests, and at the same time give every person in Baltimore engaged in either printing or stationery, or both businesses combined, an opportunity for a fair and honest competition and this I am sure is the sincere desire of every member of your most Honorable Body.

The proposals advertised for embrace three specific businesses, viz: "stationery," "blank books" (many with printed headings, &c.,) and "printing" proper, which includes all the paper, envelopes and blanks needed by the various departments, and I will venture to say that there are not two establishments in this City that are capable, in themselves, of directly doing the work, and hence the "middle-man's" profits upon one or the other of these specifications has to be paid by the City in excess of what would be the case should the "stationery," "books" and "printing" be respectively given to the lowest bidder upon each. I can, I think, safely challenge contradiction when I say that there is not even *one* establishment in Baltimore that could, in itself, do all the work and supply out of its own immediate trade, all the "printing and stationery" required by the various departments of the City Government, and hence the injustice of awarding it jointly as the present law requires. It is plain that the City is necessarily the loser.

The following letter will explain itself :

TREASURY DEPARTMENT—OFFICE OF THE SECRETARY,

WASHINGTON, D. C., November 29th, 1890.

City Librarian, Baltimore, Md.

SIR:

In compliance with your request of the 26th instant, I enclose herewith a copy of departments' advertisement for proposals for furnishing stationery, a copy of

the bond to accompany said proposals, and a schedule of the articles to be furnished.

In the making of the awards, wherever the department furnishes the sample the award is made to the lowest bidder, but where the bidders are allowed to submit their own samples, the quality of the sample as well as the price is taken into consideration.

The awards are made on each item separately.

Respectfully yours,

A. B. NETTLETON,

Acting Secretary.

I also take this occasion to herein copy two ordinances sent your Honorable Bodies, the first upon the 18th of March, 1890, bearing upon this subject, by His Honor the Mayor, and the second upon November 17th, 1890, both of which were referred to the Committee on Ways and Means and have never been acted upon, viz :

"An ordinance to repeal and re-enact Sections 1, 4 and 5 of Article XXXII of the Baltimore City Code, title 'Librarian.'

"Be it enacted and ordained by the Mayor and City Council of Baltimore, That Sections 1, 4 and 5 of Article XXXII of the Baltimore City Code, title 'Librarian,' be and the same hereby are repealed and re-enacted, to read as follows :

"Section 1. A City Librarian shall be appointed when and as other City officers are appointed.

"Section 4. Each of the departments of the City Government shall, on or before the 25th day of November in every year, furnish to the City Librarian a schedule or estimate of all stationery and printed matter which may be required for the use of such department for the year commencing on the first day of January thereafter.

"Section 5. It shall be the duty of the Librarian, on the first Monday of December of each year, to advertise for proposals for furnishing all such stationery and printed matter as may be required by the respective departments; no proposal shall be received either for printing or stationery, except from persons who are citizens of and actually engaged in some business in Baltimore; such proposals may embrace either the stationery or the printing, or both; such proposals when received shall be opened and the contracts awarded in the manner prescribed by Sections 51 to 54 of Article I of this Code; the right to reject any bid or any portion thereof that shall not be deemed for the best interest of the City is hereby reserved. The specifications of the Librarian shall embrace each and every article enumerated in the estimates furnished by the several departments for the year, and said proposals shall specify price the at which it is offered to supply each item of the specifications, and shall be made subject to the right on behalf of the City to accept any part or parts of any proposal to reject others.

"All contracts which may be awarded in pursuance of the provisions of this section shall contain a clause stipulating that in case any stationery or printed matter as designated in any contract should be required during the year over and above the quantity or quantities designated in any such contract, the same shall be supplied at the contract prices, and in case articles shall be required not enumerated in the specifications, the Librarian shall have authority to purchase the same from any person at the lowest market rate, upon requisition of the department needing same, approved by the Mayor."

The following is copy of the second, sent in on the 17th November, 1890:

"An ordinance to repeal and re-enact Section 5, Article XXXII of the Baltimore City Code, entitled 'Librarian,' &c.

"Section 1. Be it enacted and ordained by the Mayor and City Council of Baltimore, That Section 5 of Article XXXII of the Baltimore City Code, entitled 'Librarian,' be and the same is hereby repealed and re-enacted so as to read as follows:

"Section 5. It shall be the duty of the City Librarian thirty days prior to the first day of January in each year, to advertise for proposals for furnishing all such stationery and printed matter as may be required by the respective departments of the City Government for the ensuing fiscal year; proposals may be received

from any persons actually engaged in the printing or stationery business in Baltimore; such proposals, when received, shall be opened, and the contracts awarded in the manner prescribed by Sections 51 to 54 of Article I of the City Code, either for the whole or for portions of the supplies required; the right to reject any bid is hereby reserved. Each contract which may be awarded in pursuance of the provisions of this section shall contain a clause stipulating that any supplies which may be required for the use of any department of the City Government, over and above the quantity specially designated in such contract, shall be furnished by the contractor at the same rate charged for articles which are specifically mentioned in said contracts; and if any supplies are required from any contractor, which are not mentioned in his contract but similar in character, they shall be furnished at the lowest market rates."

Either of these ordinances would remedy the present mode of asking proposals and awarding contracts, and I most respectfully urge the adoption of one or the other, in order that I can more satisfactorily discharge the duties of my office, so far as the best interests of the City are concerned.

This statement concerning the "printing or stationery" is what I consider my duty, since you should clearly understand the matter for your own good as well as that of all others interested. In other words it is clearly the City's interest to have one or the other adopted during the present session.

ADDITIONS TO THE LIBRARY.

The following books, documents and pamphlets have been received since March 3d, 1890:

Atlanta, Ga., Mayor's Message and Documents, 1888–1889; Boston, Mass., Financial Reports, 1889–1890; Brooklyn, N. Y., Ordinances, 1889; Cambridge, Mass., Revised Ordinances, 1889; Charleston, S. C., Mayor's Message and Reports, 1888 and 1889; Concord, N. H., ditto, 1889; Chicago, Ill., ditto, 1886–1887 and 1888; Cleveland, Ohio, ditto, 1889; District of Columbia, Commissioner's Reports, 1889; Detroit, Mich., Comptroller's Reports, 1888 and 1889; Gloucester, Mass., Mayor's Message and Documents, 1889; Memphis, Tenn., ditto, 1889; Minneapolis, Minn., ditto, 1889; Milwaukee, Wis., ditto, 1889; New York, N. Y., Mayor's Report, 1889, and Comptroller's Report, 1888; Newark, N. J., Comptroller's Report, 1888; New Orleans, La., ditto, from 1887 to 1889, inclusive; Newport, R. I., City Documents, 1889; Omaha, Neb., Municipal Reports, 1888, and also Report of Board of Trade; Philadelphia, Pa., Mayor's Message and Reports, 1889; Comptroller's Report, 1889, and Reports upon Law, Education, &c., 1889; Portland, Me., Mayor's Report, 1889–1890; Reading, Pa., Mayor's Report, 1888–89, also Municipal Bill, &c., 1889; Johnstown, Pa., Report Relief Commission, 1889; St. Louis, Mo., Mayor's, Comptroller's and Engineer's Reports and Maps, 1888 and 1889; Savannah, Ga., Reports and Code, 1889; Salem, Mass., Mayor's Reports, 1889; St. Paul, Minn., ditto, 1889; Toledo, Ohio, ditto, 1889.

FOREIGN DOCUMENTS.

Berlin, Germany, Reports City Departments,1882 to 1889, Statistics, 1881 to 1889, Bulletin of Finances and Principal Cities of Europe, 1885; Montreal, Canada, Mayor's Reports, 1889, Toronto, Canada, Consolidated By-laws, 1889, and from Mr. Henry W. Darling, Reports of the Treasurer and Board of Trade of same City for the same year.

FEDERAL PUBLICATIONS.

From the Secretary of Agriculture: His reports 1867 to 1888, inclusive, also nine additional volumes on Agriculture, together with Index and Supplement. We are indebted to him also for the following: Animal Industry, 37 vols.; Fruits, 8 vols.; Botany, 2 vols.; Grasses, 3 vols.; Foods, 5 vols.; Rocky Mountain Reports, 1889; Statistics, 1888; Fertilizers, Commercial, 1889; Sugar, 7 pamphlets; Forestry, 7 ditto; Cereals, Crops, &c., 2 vols.; Climate and Soil, 2 vols.; Cotton in Brazil, 1 vol.; Jute and Tea, 1 each; Mycology, 3 vols.; Artesian Wells, 1 vol.; Ornothologist Report, 1888; Mammologist, 1888; Entomology, 1 vol., and History of Insects, 10 pamphlets.

From the Attorney-General: His Opinions, vols. 13, 14, 15 and 16; Digests of Opinions, 1789 to 1881, and his Reports for 1873, 1874, 1876, 1877, 1878, 1879, 1880, 1881, 1883, 1884, 1886, 1887, 1888 and 1889.

From the Secretary of the Interior: His Reports, 1886, 1887 and 1888, 5 vols.; Educational Reports, 1886 to 1888, 3 vols.; Commissioner's Reports, 4 vols.; Report Commissioner of Pensions, 1889; Patent Office Reports, 6 pamphlets; also History and Proceedings of Labor and Report Inter-State Commerce for 1889.

Navy Department: Secretary's Report, 1888; Nicaraguan Survey, 1885; Greeley's Expedition, 1884; Alaska Reconnoissance, 1885, and also Reports on Education, Foreign Naval Systems, Dock Yards, European Plans of Ships and Ordnance and War Ships.

Ordnance Department: Report of the Chief of Ordnance, 1889.

Post-Office Department: Report Postmaster-General, 1889.

Smithsonian Institute: Reports Geological Surveys, 1883 to 1887, Part I, 5 vols.; also 1886-87, Part II, 2 vols., and Reports on Ethnology, 1883, 1884 and 1885.

State Department: Consular Reports, 1887, 5 vols.; Consular Monthly Reports, 1889-90, 22 pamphlets; Paris Exposition (U. S. Catalogue), 1889; Foreign Relations, 1881 to 1888, 9 vols.; Treaties and Conventions with Foreign Countries, 1776 to 1887; International Monetary Conference, 1878; International American Conference, 1890, 12 pamphlets; International Sanitary Conference (in French and English), 1881;

Forestry in Europe, 2 vols.; Alaska, Seal and Other Fisheries, and Minutes of the International American Conference (in English and Spanish).

Treasury Department: Secretary's Reports, 1885 to 1889, 9 volumes; Comptroller's Reports, 1887, 1888 and 1889; Finance Reports, 1880 to 1884; Reports of the Director of the Mint, 1880 to 1890, 11 volumes; Reports of Precious Metals, 1884 to 1889, 6 volumes; Commerce, 1888–89; Navigation, 1888; Immigration and Tonnage, 1888; Life Savings Reports, 1881 to 1888, 8 volumes; Statistics upon Finance, Coinage, Commerce, Immigration, Shipping, Postal, Population, Railroads and Agriculture for 1888.

War Department: Secretary's Report, 1889; Judge Advocate's Reports, 1889 and 1890; Army Register, 1890; Regulations of the Army for 1889; Chief Engineer's Reports, 1889, 4 volumes; Signal Corps Reports, 15 volumes and 15 pamphlets.

In addition to these we are under obligations to Senator E. K. Wilson for copy Congressional Record, 3 volumes; Executive Department's Method of Business; Cruise of the "Corwin," 1885, and Memorial Address of the late Hon. W. H. Cole, 1887. To Hon. H. Stockbridge, Jr., we owe thanks for Treaties and Conventions between the United States and other Powers, 1876 to 1889, and also for copies Official Register of United States Office Holders (8 volumes) from 1883 to 1889, inclusive.

STATE PUBLICATIONS.

Upon application, the State Comptroller (Hon. Victor L. Baughman) furnished copies of his Department's Reports for 1874, 1877, 1878, 1880, 1884, 1885, 1887, 1889 and 1889, to complete our files.

Mr. D. C. Lyle, Principal McDonogh School, furnished Reports of 1869, 1874, 1879 and 1887, which completed series.

From the State Librarian I have received, upon application, twenty-two, back and missing, volumes of the Maryland Reports (Stockett's), from 1872 to 1888, inclusive, which with No. 71, for 1889, makes these publications complete. In addition to these, Dr. Duvall has sent me the House and Senate Documents; the Senate and House Jourals and the Laws of Maryland for 1890.

The State Printer sent to this department 500 copies of the "Public Local Laws," with appendix for 1890, without instructions, and for which he has no receipt, and I have addressed your Honorable Body a communication requesting definite instructions as to their disposal, upon the advice of the City Solicitor, and anxiously await the same.

The City Printer has recently sent me 150 copies of the Journals of Proceedings of each Branch of the City Council for 1889-90, which I am, and have been, distributing to persons entitled to the same.

His Honor the Mayor has furnished the Library, from his, with copies of the Maryland Laws for 1872, 1874, 1876, 1878, 1882 and 1884.

The Secretary of the Historical Society of Maryland has our thanks for the following valuable and missing books in our collection, viz: Laws of Maryland for 1822, 1824, 1829-30 and 1849-50; Senate Journal, 1830; Senate Journal and Documents, 1860, and Reports of the Mobs and Riots, also Testimony before the Legislature upon the Penitentiary; Proceedings and Acts of the General Assembly of Maryland, 1678-1683, and Proceedings of the Council of Maryland, 1687-8 and 1693.

Mr. Lewis N. Hopkins has also kindly contributed a handsomely bound copy of the Johns Hopkins Hospital Descriptive Work, by J. S. Billings, and also missing Annual Reports of that institution for 1876 to 1879, and 1881, 1882, 1885, 1886 and 1887.

In addition to these I have purchased the following books needed, viz:

Laws of Maryland, 1820, 1821, 1825 and 1852; Indexes to same, 1826 to 1831; Journal of the House, 1839 to 1872; Journal of the Senate, 1861 and 1861-62; House Documents, 1860; also Vols. 1 and 2 of the American Archives, in exchange for the Code of 1879 and the Supplement of 1885.

REPORTS CITY DEPARTMENTS.

I have had the following reports of the City Government Departments and other local institutions bound, separately, for easy use and reference, to wit:

Appeal Tax Court, 1861 to 1889; Baltimore City Jail, 1855 to 1889; Bay View Asylum, 1854 to 1889; City Register, 1883 to 1889; City Comptroller, 1857 to 1889; City Collector, 1856 to 1889; City Commissioner, 1856 to 1889; Commissioners Opening Streets, 1867 to 1889; Commissioners Street Cleaning, 1882 to 1889; Park Commissioners, 1879 to 1889; Police Commissioners, 1883 to 1889; Police Fire Alarm, 1859 to 1889; Fire Department, 1881 to 1889; Harbor Board, 1882 to 1889; Health Department, 1879 to 1889; Mayors' Messages, 1880 to 1890; Inspector of Buildings, 1871 to 1889; Corporation Officers, 1861 to 1890; Water Department, 1881 to 1889; School Reports, 1882 to 1889; Enoch Pratt Library, 1882 to 1890; McDonogh School, 1855 to 1889; John Hopkins University, 1876 to 1889; and the State Comptroller, 1872 to 1889.

All other departments, schools and associations being incomplete, I have been unable to have bound. Those referred to as incomplete embrace the following:

Western Maryland Railroad, Pittsburg and Connellsville Railroad, Baltimore and Susquehanna Railroad, Maryland Industrial School for Girls, Maryland Penitentiary, Spring Grove, Maryland Institute, Mount Hope, St. Mary's Industrial School, Boys' Home Soci-

ety, Female House of Refuge, House of Refuge for Boys, Manual Training School, General Superintendent of Lamps, &c., Inspector of Gas and Oils, Maryland Blind Institution, Baltimore and Ohio Railroad, Canton Company, City Solicitor, and Prisoners' Aid Association.

BOOKS CONTRIBUTED OR EXCHANGED.

I have distributed in exchange copies of the Mayor's Message and reports of City Officers for 1889 to the Mayors of the following cities:

Atlanta, Annapolis, Brooklyn, Boston, Cincinnati, Concord, Charleston, Chicago, Cleveland, Cambridge, Detroit, Gloucester, Louisville, Milwaukee, Montreal, Memphis, Mobile, New York, Newark, New Orleans, New Haven, New Bedford, Omaha, Providence, Philadelphia, Pittsburg, Reading, Richmond, San Francisco, St. Paul, St. Louis, Salem, Savannah, Toledo, Toronto, Wilmington, N. C., Wilmington, Del., Washington, D. C., Berlin, Paris, London, Rome and Dublin, and also Smithsonian Institute.

The following books have been given out upon the order of the Mayor, to wit: Mayor's Messages and Reports of City Officers, one copy each of the years 1880, 1881, two of 1882, 1884. 1885, 1886, two of 1883, two of 1887, three of 1888, and nine of 1889. Ordinances and Resolutions, one copy each of the years 1877, 1879, 1882, 1883, four of 1885, thirteen of 1886, fifteen of 1887, seventeen of 1888 and twenty of 1889. First

Branch Council Journal, one copy each of the years 1851, 1852, 1856, 1869, 1870, 1872, 1873, 1875, 1881, 1882, 1886, 1888, 1889, 1890, and two of 1888. Second Branch Council Journal, one copy each of the years 1830, 1832, 1852, 1856, 1860, 1861, 1870, 1872, 1875, 1886, 1887, 1888, 1889 and 1890. Baltimore City Code eleven copies, and Supplement eleven copies, and three copies of the History of the City Hall.

STATEMENTS.

The following Warrants have been Drawn during the year 1890:

Date 1890	Warrants.	To Whom Paid.	Amounts.	Remarks.
Jan. 30	875	Wm. J. C. Dulany Co.	$ 821 98	Contractors.
" 30	876	Edward Duvall.	30 00	
Feb. 25	877	Cushing & Co	4 25	
" 25	878	Samuel D. Smith	11 28	
" 27	879	Wm. J. C. Dulany Co	864 60	Contractors.
" 27	880	Edward Duvall.	30 00	
Mar. 12	881	Postage	5 00	
" 25	882	O'Neill & Co	3 00	One dozen towels.
" 27	883	Wm. J. C. Dulany Co	191 27	Contractors.
" 28	884	Mayor's Office	6 90	Frames for rules, &c.
" 28	884	Library	60	
April 1	885	Subscription Daily Herald.	79	
" 2	886	Subscription Daily American	1 62	
" 3	887	Edward Duvall.	30 00	
" 22	888	Mrs. Mary A. Short	4 50	Washing towels.
" 30	889	Edward Duvall.	30 00	
May 2	890	City Directory	5 00	
" 2	891	Wm. J. C. Dulany Co	708 96	Contractors.

May	6	892	Meals during Council	18 00	Thirty-six meals.
"	29	893	Wm. J. C. Dulany Co	842 94	Contractors.
"	31	894	Edward Duvall	30 00	
June	14	895	Meals (20)	10 00	
"	30	896	Wm. J. C. Dulany Co	194 83	Contractors.
"	30	897	Edward Duvall	30 00	
July	1	898	Mary A. Short	4 50	Washing towels.
"	1	899	Subscription Daily Herald	79	
"	8	900	Subscription Daily American	1 62	
"	11	901	Mayor's Office	1 50	State Constitution.
"	31	902	Edward Duvall	30 00	
"	31	903	Wm. J. C. Dulany Co	260 17	Contractors.
Aug.	7	904	C. C. Saffell	3 00	Five Jour. H. and S.
"	13	905	United States Express Company	13 55	Documents.
"	29	906	Wm. J. C. Dulany Co	198 14	Contractors.
"	30	907	Edward Duvall	30 00	
Sept.	22	908	Edward Duvall, five days	5 00	
"	30	909	F. W. Zurmuhl, twenty-five days	25 00	
"	30	910	Mary A. Short	4 50	Washing towels.
Oct.	3	911	Wm. J. C. Dulany Co	160 80	Contractors.
"	3	912	Subscription Herald	79	
"	3	913	Subscription American	1 62	
"	6	914	Inspector Gas and Oils	3 50	
			Amount carried forward	$4,620 00	

Warrants Drawn during the year 1890—*Continued.*

Date 1890	Warrants.	To Whom Paid.	Amounts.	Remarks.
		Amount brought forward.....	$ 4,620 00	
Oct. 22	915	Ault & Co.....	7 00	Binding 7 volumes.
" 27	916	Library.....	5 00	Postage stamps.
" 27	917	Six meals.....	3 00	
" 31	918	Edward B. Towson.....	30 00	
" 31	919	Wm. J. C. Dulany Co.....	100 00	Contractors.
Nov. 6	920	Wm. J. C. Dulany Co.....	252 27	Contractors.
" 24	921	C. C. Saffell.....	7 00	5 volumes State Law.
" 25	922	Five meals.....	2 50	
Dec. 1	923	Wm. Baumgarten.....	1 25	Rep. stamp.
" 1	924	E. B. Towson.....	30 00	
" 1	925	John Murphy & Co.....	5 00	Laws.
" 1	926	Charles R. Coates.....	1 10	Sharp. 11 E.
" 1	927	Wm. J. C. Dulany Co.....	648 72	Contractors.
" 1	928	Wm. J. C. Dulany Co.....	11 00	City Collector.
" 16	929	A. S. Abell & Co.....	7 95	Adv'g for Proposals.
" 16	930	C. C. Fulton & Co.....	6 90	" " "
" 16	931	Herald Publishing Company.....	6 00	" " "
" 16	932	Daily News Association.....	6 90	" " "

Dec.	16	933	Daily Record Company	3 00	Adv'g for Proposals.
"	16	934	The World	4 80	" " "
"	16	935	German Correspondent	6 90	" " "
"	20	936	Express on packages	1 20	
"	23	937	Subscription Daily Herald	79	
"	23	938	Subscription Daily American	1 62	
"	23	939	Mary A. Short	4 50	Washing towels.
"	23	940	E. B. Towson	30 00	
"	23	941	Cushing & Co	4 25	Vol. No. 71 Md. Rep.
"	29	942	Wm. J. C. Dulany Co	1,088 53	Contractors.
				$6,897 18	

COST OF STATIONERY, PRINTING, &c., 1890.

In compliance with Section 3 of the Code, I beg to report that the stationery, printing, &c., for the respective departments of the City Government during the year 1890 has been furnished upon requisitions, and the cost has been as follows:

	1889.	1890.
Appeal Tax Court	$ 111 85	$ 170 70
Baltimore City Jail	275 46	287 81
Bay View Asylum	184 53	151 40
City Collector	2,025 06	2,504 34
City Comptroller	203 01	248 23
City Register	297 23	420 90
City Commissioner	276 28	259 91
Commission of Examination	13 00	75
Commissioners for Opening Sts	17 50	84 87
Commissioners for Cleaning Sts	61 00	52 57
Clerk Centre Market	9 00	3 54
" Canton Market	.....	1 92
" Cross Street Market	.....	70
" Belair Market	.....	2 62
" Fell's Point Market	.....	5 27
" Hanover Market	.....	8 51
" Hollins Market	.....	70
" Lexington Market	3 50	11 93
" Northeast Market	.....	1 05
" Richmond Market	.....	1 74
Dog Pound	10 00	12 53
Examiner of Titles	7 00	9 47
Fire Department	685 49	636 72
General Superintendent of Lamps,	96 77	150 28
Amount carried forward	$4,276 68	$5,028 46

			1889.		1890.	
Amount brought forward....			$4,276	68	$5,028	46
Health Department.....			1,263	17	1,020	27
Harbor Board.....			71	12	74	76
Harlem Park Commissioners.....			1	70	7	50
Harbor Master, No. 1.....				60	2	18
" " No. 2.....			4	70	2	22
" " No. 3.....			4	00	3	29
" " No. 4.....			3	70	11	44
" " No. 5.....			11	45	12	57
Inspector Gas and Oils.....			11	30	12	55
Inspector of Buildings.....			96	06	71	86
Jones' Falls Commission.....			.....			75
Janitor Old Masonic Hall.....			.....			25
Law Department.....			56	65	35	01
Library, Clerk.....	$360	00	1,247	58		
" 54 books bound..	84	25				
" 12 books purchased.....	29	50				
" Office Records...	41	10				
" express charges.	18	00				
" postage.....	10	00				
" towels and washing.....	21	00				
" newspapers	9	64				
" advertising.....	42	45				
" meals during Council.....	33	50				
" stationery	12	00			661	44
Mayor.....			238	18	159	97
Supervisors of Elections.....			194	53	.....	
Amount carried forward.....			$7,481	42	$7,104	52

	1889.	1890.
Amount brought forward....	$7,481 42	$7,104 52
Superintendent of City Hall.....	17 60	98
Total Expenditures in 1889.....	$7,499 02	
Covered back in Treasury 1889...	98	
Total Expenditures in 1890.....		7,105 50
Out of stock on hand March 3, 1890		208 32
Cash per warrants.....		6,897 18
Covered back in Treasury in 1890,		602 82
Appropriations each year.....	$7,500 00	$7,500 00

The following departments purchase their own stationery and pay for their printing, but all orders for same are given through the Librarian, viz:

	1889.	1890.
Chief Engineer Water Department.....	$ 259 66	$ 172 31
Liquor License Commission.....	.....	275 74
Park Commission.....	91 18	84 68
Supervisors of Elections.....	1,434 14	1,461 17
Water Department.....	1,021 68	964 72
	$2,806 66	$2,958 62

RECEIPTS FOR THE YEAR.

February 25. Sale Codes and Ordinances.....	$13 50
May 6. Liquor license Commission.....	11 34
December 22. Ordinances and Resolutions....	6 00
Total.....	$30 84

Respectfully submitted,

GEO. C. WEDDERBURN,

City Librarian.

ANNUAL REPORT

— OF THE —

CITY COLLECTOR

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31, 1890

REPORT.

TAX DEPARTMENT,
CITY COLLECTOR'S OFFICE—CITY HALL.

BALTIMORE, January 1st, 1891.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

I have the honor to submit for your inspection and consideration the operations of this department for the fiscal year ending December 31st, 1890, in the first twenty Wards of the City, supplemented by the additional statement of its operations in the new (21st and 22d) Wards.

The amount of money received from all sources during the year was $5,638,059.92.

On the levy of 1886—present basis $251,656,567—the total collections have amounted to $99\frac{96}{100}$ per cent.

On the levy of 1887—present basis $260,819,142—the total collections have amounted to $99\frac{72}{100}$ per cent.

On the levy of 1888—present basis $263,534,913—the total collections have amounted to $98\frac{83}{100}$ per cent.

On the levy of 1889—present basis $272,106,894—the total collections have amounted to $93\frac{52}{100}$ per cent.

On the levy of 1890—present basis $278,249,691—the total collections, from May to December 31st, inclusive, amount to $69\frac{67}{100}$ per cent. Deducting amount of plant exempt from City taxation, the percentage collected amounts to $70\frac{20}{100}$ per cent.

Table A shows the monthly collections of both City and State taxes for the fiscal year, amounting to $5,638,059.92. Of this sum, the City's proportion was $5,213,887.56, and that of the State $424,172.36.

Table B shows the basis of the several levies on which collections have been made during the past year, with the amounts collected on each levy; also the gross amounts received for opening, closing and widening streets, for paving streets, &c.

By this table it will be seen that there has been collected:

On account of taxes in arrears	$1,391,433 96
On account of levy of 1890	3,587,350 03
For opening, closing and widening streets.	187,243 76
For paving	47,836 56
For numbering houses, account of 1887	23 25
Total	$5,213,887 56

Table C shows the rate of tax per one hundred dollars, and the various items of the several levies from 1885 to 1890, inclusive.

Table D is an exhibit of the monthly receipts on the several levies from 1885 to 1890, inclusive; also receipts for opening, closing and widening streets, and for paving streets and alleys.

Table E exhibits the amounts collected during the past year, in accordance with the rates stated in Table C, divided in separate items, forming each levy; also the amount of interest received from accounts in arrears, and the amounts of discount allowed for the prompt payment of current taxes.

Table F shows the bases and the basis collected upon within each year, on levies of the years 1884 to 1890, inclusive, to December 31st of each year; also the levy of 1890, from date of levy to December 31st, 1890, and on the levy of 1889, to December 31st, 1890.

Table G shows the percentage collected monthly from January 1st, 1890, to May, 1890, on the levy of 1889, and on the levy of 1890, to December 31st, 1890, inclusive.

Table H shows the receipts for opening, closing and widening streets and alleys during the year, amounting to $187,243.76.

Table I gives a detailed statement of receipts for paving streets and alleys during the year, amounting to $47,836.56.

Table 1 is an exhibit of the amount of taxes collected, and the bases collected on, from the 21st and 22d Wards during the past year, both for City and State.

These exhibits will show that the total amount of taxes collected by this department during the year from the whole City, including the 21st and 22d Wards, amounts to $5,811,248.97, of which the City's proportion is $5,351,214.33, and that of the State $460,034.64.

These collections may be regarded as fairly good, but the extension by the Mayor and City Council of the 1889 taxes has somewhat curtailed the collections for that year.

The labors of this office increase with each successive year, and I must again call your attention to the necessity for an enlargement of our quarters. The embarrassment caused by want of sufficient room for the books and the clerks is too well known to need comment.

It is extremely desirable that the Collector should be provided with an Assistant Deputy, whose whole time could be profitably employed in supervising the accounts in the two new Wards, for which separate books are kept, and must be for the next ten years. Another book-keeper should be appointed, for it is utterly impossible for the work apportioned to them to be performed by two men.

It would be a great gratification to the Collector for the City Council to appoint a Joint Committee, who together with the Mayor would make a thorough examination of the needs of this department, with a view to a more efficient organization.

I would recommend a thorough resurvey of the whole City, and the preparation of a *perfect official plat*, which, in my judgment, would eventually save our citizens hundreds of thousands of dollars. The work should be begun at once and could be completed by the first of May, 1892.

In conclusion, I embrace the opportunity to return my thanks to the gentlemen connected with this office for their politeness and cordial co-operation in conducting the business of the office; also to all the officers in the City Hall, with whom I am associated.

All of which is respectfully submitted.

I have the honor to be

Your obedient servant,

LEWIS N. HOPKINS,

Collector.

TABLES.

TABLE A.

Total City and State Taxes received from January 1st, 1890, to December 31st, 1890, inclusive.

1890.	CITY.	STATE.	TOTAL.
January	$790,564 37	$64,714 94	$855,279 31
February ...	146,852 46	12,484 74	159,337 20
March	67,915 18	4,750 90	72,666 08
April.....	65,092 65	3,376 46	68,469 11
May.....	2,234,689 27	156,381 33	2,391,070 60
June.....	417,581 98	29,575 57	447,157 55
July	248,819 40	20,364 57	269,183 97
August.....	150,059 51	34,244 29	184,303 80
September . .	159,339 78	16,563 80	175,903 58
October.....	253,521 98	20,522 39	274,044 37
November ..	194,549 66	31,950 43	226,500 09
December ...	484,901 32	29,242 94	514,144 26
	$5,213,887 56	$424,172 36	$5,638,059 92

TABLE B.

Recapitulation of Taxes collected from January 1st, 1890, to December 31st, 1890.

	Bases.	Rate per $100.	Tax.	Discount.	Net Cash.	Interest.	Total, including Interest and Discount.
1885.	$ 36,654	160	$ 586 45	.....	$ 586 45	$ 162 97	$ 749 42
1886.							
Real	71,419	170	1,214 11	.....	1,214 11	241 87	1,455 98
Personal.	14,801	170	251 61	.....	251 61	48 04	299 65
1887.							
Real	571,392	160	9,142 24	.....	9,142 24	1,248 38	10,390 62
Personal.	245,879	160	3,934 04	.....	3,934 04	625 09	4,559 13
1888.							
Real	8,953,579	190	170,117 99	.....	170,117 99	14,294 13	184,412 12
Personal.	619,975	190	11,779 51	.....	11,779 51	1,044 34	12,823 85
1889.							
Real	54,833,295	190	1,041,832 59	.....	1,041,832 59	9,136 96	1,050,969 55
Personal.	6,582,955	190	125,076 13	.....	125,076 13	697 51	125,773 64
	71,929,949				$1,363,934 67		$1,391,433 96

1890.							
Real . . .	$140,010,120	185	$2,591,186 18	$ 51,246 03	$2,539,940 15	.....	$2,591,186 18
Personal.	53,846,692	185	996,163 85	51,494 80	944,669 05	.....	996,163 85
	$193,856,812			$102,740 83	$4,848,543 87	$27,499 29	$4,978,783 99
	$265,786,761						

Opening streets and alleys	187,243 76
Paving streets and alleys	47,836 56
New numbers	23 25
	$5,213,887 56

TABLE C.

Rate of Tax per Hundred Dollars.

	1885	1886	1887	1888	1889	1890
Police Department	24	28	27	27	27	29
Certain Expenses	9	9	8	9	10	8
Public Schools	23	23	23	24	23	26
City Poor	9	8	9	9	8	10
City Direct	61	69	56	66	79	70
Miscellaneous Stock	27	27	27	40	35	33
Opening Streets	5	4	8	13	5	6
Water Tax	2	2	2	2	2	2
Water 1926 Sinking Funds	....	....	....	....	½	½
Internal Improvement Sinking Funds	....	....	....	....	½	½
	1.60	1.70	1.60	1.90	1.90	1.85

TABLE D.

Monthly Receipts of Taxes on the several Levies from 1885 to 1890, inclusive, for Opening and Closing Streets and Alleys, and for Paving Streets and Alleys, from January 1st, 1890, to December 31st, 1890.

	Numbers.	1885.	1886.	1887.	1888.	1889.	1890.	Opening streets	Paving streets.	Total.
January	$5 75	.....	$640 76	$2,824 59	$26,349 66	$757,790 40	.....	$ 2,001 18	$ 952 03	$ 790,564 37
February	4 50	$ 56 65	256 64	2,127 98	27,294 62	109,434 45	.....	715 35	6,962 27	146,852 46
March	1 25	146 06	179 32	1,374 01	17,638 51	35,842 91	.....	3,147 18	9,585 94	67,915 18
April	1 75	27 58	45 10	838 97	9,042 05	27,767 29	.....	11,241 10	16,128 81	65,092 65
May	1 00	.....	62 59	640 82	13,520 35	36,288 85	$2,129,823 42	43,813 37	10,538 87	2,234,689 27
June	3 25	67 94	39 42	2,766 30	15,987 99	37,047 05	277,369 58	81,050 20	3,250 25	417,581 98
July	2 50	.....	24 17	1,370 86	15,892 82	35,107 15	166,352 38	29,732 20	337 32	248,819 40
August	75	.....	.....	933 70	14,500 04	23,654 54	110,260 23	710 25	.....	150,059 51
September	75	.....	116 92	309 18	7,674 61	37,443 43	107,479 22	6,307 78	7 89	159,339 78
October	25	.....	.....	186 45	16,730 80	26,441 09	205,843 28	4,262 13	57 98	253,521 98
November	50	.....	178 78	543 83	19,820 10	20,874 44	150,676 98	2,439 83	15 20	194,549 66
December	1 00	451 19	211 93	1,033 06	12,784 42	29,051 59	439,544 94	1,823 19	.....	484,901 32
	$23 25	$749 42	$1,755 63	$14,949 75	$197,235 97	$1,176,743 19	$3,587,350 03	$187,243 76	$47,836 56	$5,213,887 56

TABLE E.

Division of Taxes received from January 1st, 1890, to December 31st, 1890.

	1885.	1886.	1887.	1888.	1889.	1890.	TOTAL.
Police Department	$ 87 96	$241 42	$2,206 62	$25,848 59	$165,823 88	$546,236 01	$740,444 48
Certain Expenses	32 99	77 59	653 82	8,616 20	61,416 22	150,685 81	221,482 63
Public Schools	84 30	198 30	1,879 73	22,976 53	141,257 40	489,728 81	656,125 07
City Poor	32 99	68 99	735 52	8,616 20	49,132 98	188,357 25	246,943 93
City Direct	223 59	594 91	4,576 72	63,185 44	485,188 38	1,318,500 80	1,872,269 84
Miscellaneous Stock	98 97	232 77	2,206 62	38,294 22	214,956 89	621,578 97	877,368 44
Opening Streets	18 33	34 50	653 82	12,445 61	30,708 14	113,014 36	156,874 76
Water Tax	7 32	17 24	163 43	1,914 71	12,283 23	37,671 47	52,057 40
Water 1926 Sinking Fund	.....	.....	.....	.....	3,070 80	9,417 86	12,488 66
Internal Improvement 1928 Sinking Fund	.....	.....	.....	.....	3,070 80	9,417 86	12,488 66
	$586 45	$1,465 72	$13,076 28	$181,897 50	$1,166,908 72	$3,484,609 20	$4,848,543 87
Interest	102 97	289 91	1,873 47	15,338 47	9,834 47	.....	27,499 29
Discount	.....	.....	.....	.....	.....	102,740 83	102,740 83
	$749 42	$1,755 63	$14,949 75	$197,235 97	$1,176,743 19	$3,587,350 03	$4,978,783 99
Opening and Closing Streets and Alleys	.....	.....	.....	.....	.....	.....	187,243 76
Paving Streets and Alleys	.....	.....	.....	.....	.....	.....	47,836 56
New Numbers	.....	.....	.....	.....	.....	.....	23 25
							$5,213,887 56

TABLE F.

Of Percentage collected within the year on Levies from 1884 to 1889, to December 31st; also on Levy of 1890, from date of Levy to December 31st, 1890; also on Basis of 1889, to December 31st, 1890.

Year.	Basis.	Basis collected upon.	Per cent.
1884	$249,651,699	$179,065,070	71.73
1885	253,913,271	185,235,624	72.95
1886	256,240,655	187,918,451	73.33
1887	265,559,952	195,733,826	73.71
1888	267,516,724	190,212,983	71.10
1889	272,770,883	193,061,621	70.78
1890 to Dec. 31	278,249,691	193,856,812	69.67
1889 to Dec. 31, 1890.	272,106,894	254,477,871	93.48

TABLE G.

Showing the Percentage collected monthly from January 1st, 1890, to May, 1890, on Levy of 1889, and on Levy of 1890, from May, 1890, to December 31st, 1890, inclusive.

Basis.	Months.	Basis Collected Upon.	Per Cent.
1889. $272,106,894.....	January	$39,883,705	14.66
	February ...	5,731,053	2.10
	March.....	1,867,791	.68
	April.....	1,439,839	.53
1890. $278,249,691.....	May	$115,125,589	41.37
	June	14,992,948	5.39
	July.....	8,992,021	3.23
	August	5,906,013	2.12
	September ..	5,809,690	2.09
	October.....	11,126,664	4.00
	November...	8,144,701	2.93
	December...	23,759,186	8.54
		$193,856,812	69.67

Basis, December 31, 1890....		$278,249,691
Less Plant exemption	$1,510,526	
Less Plant Consolidated Gas Co.....	590,219	
		2,100,745
		$276,148,946

Amount collected on $193,856,812, equal to 70.20 per cent.

TABLE H.

Summary of receipts for Opening and Closing Streets and Alleys from January 1st, 1890, to December 31st, 1890, inclusive.

Opening	Madison street	$ 767 00
"	Race street	278 31
"	Scott street	2,137 23
"	Carey street	4,409 87
"	Cooksie street	438 75
"	Douglass street	90,699 70
"	Calhoun street	3,709 09
"	Spring street	689 86
"	Lanvale street	9,289 02
"	Russell street	375 00
"	Chester street	1,339 37
"	Lawrence street	812 87
"	Barclay street	3,348 37
"	Biddle street	3,483 68
"	Johnson street	819 87
"	Carroll street	8,734 23
"	Nanticoke street	3,988 30
"	Burke street	5,349 46
"	Beason street	287 50
"	Richardson street	8,557 03
"	Pulaski street	2,048 34
"	Townsend street	4,537 10
"	Wooster street	3,107 50
"	Mosher street	6,998 00
"	Clement street	2,213 66
"	Andre street	523 00
"	Oliver street	1,292 50
"	Etting street	123 75
"	Fairmount avenue	8,898 44
"	Carrollton avenue	3,918 37
"	Mount Royal avenue	515 92
"	Patapsco alley	440 74
Closing	fifteen-foot alley from Collington avenue	921 35
"	Brown lane	185 37
"	Fourth street	1,069 27
"	Carey street	188 89
Opening	5th Lane	97 05
		$187,243 7

TABLE I.

Summary of Receipts for Paving Streets and Alleys, from January 1st, 1890, to December 31st, 1890, inclusive.

Paving Wilkens avenue	$ 408	25
" Fulton avenue	3,330	84
" Washington avenue	6,053	26
" Mount Royal avenue	3,913	06
" Patterson Park avenue	1,358	71
" North avenue	152	27
" Orleans street	81	43
" Gold street	982	12
" Lanvale street	2,261	50
" East Biddle street	519	69
" Clement street	3,467	12
" Monroe street	21,671	68
" Gay street	58	78
" Cathedral street	1,439	57
" Holbrook street	198	83
" Eagle street	13	52
" East Baltimore street	23	82
" Federal street	672	73
" Cannon street	553	05
" Bradford alley	7	74
" Fifteen-foot alley, between Eagle street and Wilkens avenue	182	30
	$47,350	27
Interest on paving	486	29
	$47,836	56

CITY ANNEX.

TABLE 1.

The collections for the Annex during 1890 were $137,326.77, of which there were collected on—

Levy of 1889	$39,521 81
Levy of 1890	97,804 96
	$137,326 77

The bases collected on—

Were on Levy of 1889	$ 6,504,031
1890	16,300,775

STATE ANNEX.

The bases collected on—

Were on Levy of 1889	$11,039 57
1890	24,822 71
	$35,862 28

ANNUAL REPORT

— OF THE —

General Superintendent of Lamps

— AND —

INSPECTOR AND SEALER OF GAS METERS,

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31, 1890.

REPORT.

OFFICE OF THE GENERAL SUPERINTENDENT OF LAMPS AND INSPECTOR AND SEALER OF GAS METERS.

BALTIMORE, January 10th, 1891.

To the Honorable the
Mayor and City Council of Baltimore.

GENTLEMEN:

I have the honor of presenting the twelfth annual report of this Department, showing receipts, disbursements and the general affairs relating to the lighting of the City proper, and of the Annex, for the year ending December 31st, 1890.

The City has no contract with the Consolidated Gas Company, but pays $1.25 per one thousand cubic feet for gas used, the same rate as that paid by the private consumer.

There are now in use in the City proper 5,301 gas lamps.

Early in the year it was found that there was not a correct record of the City lamps (neither of gas nor oil) in the office of the General Superintendent, and

steps were at once taken to have a proper list made, and every lamp in the City was visited, and this Department now has a record of every lamp and of its location.

Many more lamps have been asked for, and are needed, and they would have been in use had the appropriation for lamp pillars and lamps been as large as was asked for when the estimate for that account was made.

The City has a contract for electric arc lamps with the Brush Electric Company. This contract runs for five (5) years, from July 1st, 1890, with the privilege to the City to annul it at the expiration of two (2) years, should it be deemed desirable. The contract rate is 35 cents a night for each lamp. Before the contract was made, the rate paid was 40 cents a night for each lamp.

There are now in use six hundred and sixty-seven (667) arc lamps, and eighty-two (82) more have been ordered in position; the Brush Electric Company will doubtless put them up as fast as their facilities will allow them.

Thirty-two (32) incandescent lamps were placed in Madison Square during the year. They have given much satisfaction, and light the square better than it was formerly lighted by the gas lamps.

The number of gasoline lamps now in use in the City proper is 718. These lamps are erected in small streets, lanes and alleys, and in sections of the City not supplied with gas mains.

The gasoline lamps of the City proper are furnished with fluid and burners, filled and repaired by contract with Charles H. Nicolai, Esq., at a cost to the City of $10.20 each per annum. This contract will expire on 30th June, prox.

Complaints are constantly received that the lamps are not lighted early enough, and that they are put out too soon; but, though the complaints are justified, this trouble cannot be avoided, unless some are lighted long before sundown, or some put out long after sunrise; for the territory over which each and every lamplighter has to move is so large, it is impossible to do away with the cause of complaint.

At present there are six Superintendents of Lamplighters in the twenty-two Wards of the City. These Superintendents are supposed to keep a general supervision of the actions of the lamplighters, and to see that the lamps in their several districts are lighted and extinguished at the proper hours, and kept in proper condition and repair; but owing to the extended territory over which they, one and all, have to move, they cannot give proper attention to the whole of their districts in any one night, and, as a result, many derelictions of lamplighters never get to the knowledge of the

General Superintendent. The duty of properly lighting a great City like Baltimore is one that requires constant and careful attention, but the force now at the disposal of the General Superintendent is not adequate and much necessary work is neglected.

There has been no increase in the number of lamplighters since February, 1882, although there are many more lamps to be cared for and the territory which must be covered by the lamplighters is nearly doubled. At least ten more lighters are needed in the City proper, and four more in the Annex.

By resolution of the Mayor and City Council, this Department was ordered to place lamps on North and Edmondson avenues. They were erected; but there is no one to light and attend to them, and no funds to pay, nor power to employ, extra lighters. The present force was entirely inadequate for the work required before these additional lamps were erected; some of the lamplighters in the Annex use a horse and wagon, and then cannot get over their beats in less time than two hours and a half. Private parties, residents on the avenues above named, being very anxious to have the lamps lighted, and understanding the situation, agreed with this Department to employ two lighters at their own expense, until such time as the City should relieve them of this charge.

The system of lighting the 21st and 22d Wards for a portion of each month by moonlight instead of gas,

gives great and growing dissatisfaction to the residents of those Wards, and also to those citizens of the City proper whose business or pleasure causes them to pass through the streets of the Annex. It will cost very little more to light these two Wards in the same manner as the other twenty Wards are lighted, and I trust authority will be given to do away with what is known as "corporation moonlight."

Four more lamplighters are now needed in the Annex, and if many more lamps are erected five will be needed. The present force is over worked, for, as was said before, it takes some of them two hours and a half to light their beats, and these men in the 21st and 22d Wards are required (in addition to the work done by the lighters in the City proper), to fill the gasoline lamps, adjust the burners and replace all broken glass. To do this it is necessary for them to employ some one with a horse and wagon to haul the gasoline to the lamps. They get the same pay that the lamplighters of the City proper get, and, small as it is, they have to pay out about one-fourth of it to get their lamps filled. Either the system should be changed or the lamplighters paid more money, and I recommend the latter—for the gasoline lamps in the Annex give better satisfaction than those in the City proper where they are filled and repaired by contract, and where the responsibility is somewhat divided when a lamp is not burning properly.

There are now in use in the Annex 441 gas lamps, 554 gasoline lamps and one electric lamp, though seven

more of the latter have been ordered up, in compliance with the resolution of the Mayor and City Council, and should soon be in service.

Mr. Charles H. Nicolai has a contract with the City to furnish the gasoline required in the 21st and 22d Wards, and to deliver it in barrels at the points, in those Wards, fixed upon as supply depots, at a cost to the City of $.04\frac{87}{100}$ cents per gallon. This contract will expire on 30th June, proximo.

Your attention is called to the trouble caused by the placing of telegraph, telephone and electric light poles in close proximity to some of the City lamps. This Department has no authority to check the annoyance, and the proper lighting of streets and sidewalks is interfered with by these poles.

The proper performance of the duties of General Superintendent would and should keep him out of his office, much more than in it, but the one clerk in his office, though most efficient, cannot possibly do the record work required; and most of the time of the General Superintendent is taken up testing meters, keeping books and doing clerical work. When you take into consideration the fact, that many thousands of meters have to be tested, sealed and recorded by this Department, and that no gas meter, public or private, can be put in service until it has been sent to this office for inspection and test, some slight idea of the work required to be done can be realized.

This Department returns to the City Comptroller each year more money than is paid out for the salary of the General Superintendent, and I most earnestly ask authority to employ an additional clerk, for it is impossible to conduct the office properly without one.

The amount asked for in the estimated requirements for lamp pillars and lamps was not granted, and there is a deficiency in that account for the City proper, owing to the unexpectedly large amount that was necessary to put the lamps in condition. This deficiency amounts to $1,253.97. Had the amount estimated for been appropriated, many more lamps would have been erected in locations where they are needed; but, as these lamps could not be put up, there is an unexpended balance on the gas and electric account for the City proper which would not have been the case if the lamps had been put in position, and the gas consumed.

When estimates were made for the amount that would be required for gas and electric lights in the Annex, $8,000 was asked for, but only $4,000 was appropriated. There is, therefore, a deficiency in that account of $2,089.24; for, without erecting any more lamps, $3,909.76 of the $4,000 was expended for gas used in the first eight months of the year, and if the extra lamps asked for (many of which are badly needed) had been erected, the deficiency would have been more than doubled. The Consolidated Gas Company agreed to supply the gas for the balance of the year, and let their bill be presented as a deficiency. Had this

arrangement not been made, a large part of the 21st and 22d Wards would have had no light at all for the four months.

I am, very respectfully yours,

W. STUART SYMINGTON,

Gen'l Sup't Lamps, &c.

LIST OF TABLES.

Table A exhibits the number and size of gas meters inspected and sealed, also those rejected as being incorrect or otherwise out of order.

Table B shows the amount received by the Department and paid to the Register on warrants from the Comptroller.

Table C exhibits the amount of appropriation and the amount expended, with balance unexpended, of the gas and electric light account.

Table D exhibits the amount of appropriation for lamp pillars and lamps, the amount expended and the deficiency in that account.

Table E exhibits the amount of appropriation for gas and electric lights in the Annex, the amount expended and the deficiency in that account.

Table F exhibits the amount of appropriation for lamp pillars and lamps in the Annex, and the amount expended on that account.

Table G exhibits the amount appropriated for incidentals—for keep of horse and wagon for General Superintendent, and for keep of horse and wagon for the Superintendent of Annex, and the amounts expended on those accounts.

Table H shows the amount required for the year ending December 31st, 1891, for the City proper, and the deficiency for 1890.

Table I shows the amount required for the year ending December 31st, 1891, for the City Annex, and the deficiency for 1890.

TABLES.

TABLE A.

Exhibits the Number and Size of Meters Inspected, also those Rejected as Incorrect.

	Size and Number of Meters Inspected and Sealed.										
Size of Meters	2	3	5	10	20	30	45	60	80	100	150
Number of Meters	30	1,437	5,890	438	128	18	22	12	2	11	2

	Size and Number of Meters Rejected as Incorrect.					
Size of Meters	2	3	5	10	20	45
Number of Meters	1	40	109	8	5	2

In addition to the above there were forty (40) street lamp, market and engine house meters taken out and tested; twenty-two (22) of which were incorrect.

TABLE B

Shows the amount received by the Department and paid to the Register on warrants from the Comptroller.

Inspecting Gas Meters	$2,108 50
Repairs of Lamps	166 55
	$2,275 05

TABLE C

Exhibits the amount of appropriation and amount expended, with balance unexpended, of the gas and electric light account.

Appropriation for Gas and Electric Lights.	$235,000 00
Amount expended	215,763 93
Amount unexpended	$ 19,236 07

TABLE D

Exhibits the amount of appropriation and amount expended, with deficiency of the lamp pillar and lamp account.

Appropriation for Lamp Pillars and Lamps.	$11,000	00
Amount expended	10,995	06
	$ 4	94
Deficiency for 1890	$ 1,253	97

TABLE E

Exhibits the amount of appropriation and amount expended, with deficiency of the gas and electric light account, City Annex.

Gas and Electric Light account	$4,000	00
Amount expended	3,909	76
	$ 90	24
Deficiency for 1890	$2,089	24

TABLE F

Exhibits the amount of appropriation and amount expended of the lamp pillar and lamp account, City Annex.

Lamp pillar and Lamp account.....	$4,000 00
Amount expended.....	4,000 00

TABLE G

Exhibits the amount of appropriation for incidentals—for keep of horse and wagon for General Superintendent, and for keep of horse and wagon for Superintendent of Annex, with the amount expended on those accounts.

Incidentals	$100 00
Amount expended	60 50
Balance unexpended	$ 39 50
Keep of horse and wagon for Gen'l Supt.	$300 00
Amount expended	300 00
Keep of horse and wagon for Supt. of Annex	$300 00
Amount expended	300 00

TABLE H

Shows the amount required for the year ending December 31st, 1891, City proper.

Lamp pillars and lamps, which includes gasoline lamp supplies and repairs, gas and gasoline lanterns, gas and gasoline posts, repairs to lanterns, globes, street signs, etc., etc	$16,677	00
Deficiency in lamp pillar and lamp account for 1890	1,253	97
Gas and electric lights, which includes the gas and electric lights on streets, squares, markets, halls, bridges and Washington Monument	251,671	75
Keep of horse and wagon for the General Superintendent	300	00
Incidentals, (office General Superintendent Lamps)	100	00

TABLE I

Shows the amount required for the year ending December 31st, 1891, City Annex.

Gas and electric lights, including gas for street lamps, erecting and removal of lamps, straightening posts, removal of services, etc	$11,130 75
Deficiency in gas and electric light, City Annex, for 1890	2,089 24
Lamp pillars and lamps, including gasoline lamp supplies and repairs, gas and gasoline posts, lamps or lanterns, globes, repairs of tin work, glass, fillers, lamp-wick, etc	6,044 70
Keep of horse and wagon for Superintendent of Annex	300 00

The Seventh Annual Report

—OF THE—

BOARD OF FIRE COMMISSIONERS

—AND THE—

THIRTY-SECOND ANNUAL REPORT

—OF THE—

FIRE DEPARTMENT,

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

Fiscal Year Ending December 31, 1890.

Officers of the Fire Department.

FIRE COMMISSIONERS:

J. ALEXANDER PRESTON, *President.*

ROBERT C. DAVIDSON, *Ex-officio,*

JOHN F. HUNTER, GEORGE MAY.

SECRETARY AND CLERK:

DAVID H. LUCCHESI.

CHIEF ENGINEER:

JOHN M. HENNICK.

ASSISTANT ENGINEERS:

GEORGE W. ELLENDER, THOS. F. MURPHY.

SUPERINTENDENT OF MACHINERY:

GEORGE J. LINSENMEYER.

SUPERINTENDENT OF CHEMICAL COMPANIES:

WILLIAM M. DUNN.

SUPERINTENDENT OF POLICE AND FIRE ALARM TELEGRAPH:

CHARLES J. McALEESE.

REPORT.

OFFICE BOARD OF FIRE COMMISSIONERS—CITY HALL.

BALTIMORE, January 1st, 1891.

To the Honorable the Mayor
and City Council of Baltimore.

The undersigned Commissioners submit their report of the working of the Fire Department of Baltimore City, for the year ending December 31st, 1890.

The Department has been increased since the last report by placing in service Engine Company No. 15, located on Lombard street. This company was organized on the 12th of last March, and is composed entirely of permanent members. It was greatly needed in the locality in which it is located, and its presence will add materially to the safety and security from fire of many persons employed in the factories near which it is located, and also to the surrounding property, which is the most valuable in this City.

In addition to the Engine Company No. 15, which was equipped by the City, an ordinance was passed

appropriating thirty-five thousand dollars for the construction of a Fire Boat, to be used by the Department in conjunction with the other engine companies.

It will be necessary for the City to provide by special ordinance for the equipment of this boat, and the salaries of the firemen in charge, at an early day, as the boat has been successfully launched and is in a fair way towards completion. It would be a great saving to the City if a building in the rear of the building on Lombard street, occupied by Engine Company No 15, was erected, to be used as a place for locating spare, sick and disabled horses, belonging to the Department.

The cost would be comparatively small, as a building could be erected containing a sufficient number of loose boxes, without interfering in any way with the comfort and efficiency of the engine and chemical companies occupying the present engine house.

At the present time there is no place where a horse can be placed for treatment of an injury within the Department, and there is nothing left the Department in the event of a horse being sick or injured, but to place the animal in the stable of the veterinary surgeon, who has charge of the case, which of course, involves extra expense. Outside of the expense, the convenience of a centrally located place where reserve horses could be placed, is very apparent. At the present time the horses are scattered about at the

various engine houses, and in the case of need, are frequently carried from one end of the City to the other, which is expensive and needlessly consumes the time of members of the Department, which should be occupied by other duties.

The machinery, harness, horses and appliances of the Department for extinguishing fires, are all in good condition, and of the best kinds, and the Department is as efficient as any department in this country, of its size. The character and efficiency of the Department can be best realized by a comparison of the annual cost of maintaining the Fire Departments of the following cities of about the same population as the City of Baltimore, viz:

Boston	$813,000
St. Louis	474,000
Cincinnati	412,400
Buffalo	325,269

The annual appropriation for the maintenance of the Fire Department in Baltimore City, including the Annex, for 1890, was $270,906.27.

The Board, during the past year, has adopted the system of requiring all applicants for places in the Department to submit themselves to a physical examination, and it has been productive of good results. This system has met with some opposition in various quarters, but no reasonable objection can be urged

against it. The man who is physically unsound, is in no condition to perform his duties as a fireman, and it has been unfortunately too common hitherto, for men to be appointed through outside influence, who were physically unfitted for the places sought by them. The whole Department, in the opinion of the Board, should be full paid, and the action of the City last year in making the Captains of the companies permanent, instead of call-men, has been productive of good results, so far as the efficiency and discipline of the various companies are concerned. If all the firemen were permanent members, instead of being partly permanent and partly call-men, the citizen of Baltimore would realize that the increased expenditure growing out of the change from the call to the permanent system, was money well expended, and in the end, the City would be the gainer, as the quiet and efficiency of the Department in extinguishing fires, would more than compensate for the cost, which would not exceed the yearly sum of twenty-five thousand dollars.

In 1890 there were 594 fires, and the losses aggregated, exclusive of the Masonic Temple fire, $346,529.97, the losses by that fire not having been adjusted up to this time. In the year 1889, the losses amounted to $477,329.07.

The Commissioners have the honor to submit with this report the suggestions and report of the Chief Engineer, in which will be found a history of all fires

within the City for the past year, together with a statement of the character, origin, and the amount of damage resulting in each instance.

The Commissioners also submit for the consideration of your Honorable Body, the report and suggestions of the Superintendent of Police and Fire Alarm Telegraph.

The Commissioners file herewith, as part of this report, Exhibits A, B, C, D, E, F, G, H and I.

Exhibit A shows the amount appropriated by the Mayor and City Council of Baltimore for the Department for 1890, and the expenditures for that period.

Exhibit B shows the amount of special appropriations and its disbursements.

Exhibit C shows the general receipts of the Department for 1890.

Exhibit D shows the general expenditures for 1890, and Exhibit E the general statement for 1890.

Exhibit F shows the expenditures of each Company.

Exhibit G shows the amount appropriated for the City Annex, for 1890.

Exhibit H shows the expenditures of the City Annex, to December 31st, 1890, inclusive.

Exhibit I shows the expenditures of each Company in the City Annex.

The Commissioners append herewith the estimate of the financial requirements of the Department for 1891.

ESTIMATE FOR 1891.

Salaries	$179,022 00
Apparatus	10,400 00
Apparatus repairs	7,000 00
Accident	1,986 71
Feed	10,000 00
Fuel	3,000 00
Furniture	1,800 00
Harness	600 00
Horse-shoeing	1,800 00
Hose and suction sleeves	7,500 00
Horses	5,000 00
Ground rent	804 25
Gas	1,500 00
Oils, grease, etc	1,500 00
Office expenses, including printing report and Messenger's salary	1,000 00
Rent of telephones	700 00
Miscellaneous	1,800 00
Washing	1,600 00
Life insurance	2,200 00
Sick account	1,000 00
Pensioned firemen	5,200 00
Police and Fire Alarm Telegraph	19,325 00
Balance for construction of Fire and Patrol Boat, Resolution No. 52	17,425 36
Total	$282,163 32

ESTIMATE FOR 1891.

"City Annex."

Deficiency for 1890	$ 482 62
Salaries	16,000 00
Apparatus and apparatus repairs	1,000 00
Accident	100 00
Feed	1,900 00
Fuel	300 00
Furniture	250 00
Harness	130 00
Horse-shoeing	354 00
Hose	150 00
Horses	1,500 00
Rents	848 50
Gas	162 00
Oils, grease, etc	500 00
Rent of telephones	58 75
Miscellaneous	201 00
Office expenses	
Washing	175 00
Life insurance	225 00
Sick account	200 00
Police and Fire Alarm Telegraph	1,000 00
Total	$25,536 87

J. ALEXANDER PRESTON,

President.

JOHN F. HUNTER,

GEORGE MAY.

EXHIBITS.

EXHIBIT A.

Appropriation.

Amount appropriated by Honorable Mayor and City Council for the year 1890.....	$236,279 25
Additional salaries for permanent Captains	6,554 14
	$242,833 39
Amount drawn from City Comptroller.....	238,904 52
Balance undrawn.....	$ 3,928 87

EXHIBIT B.

Special Appropriations.

Amount appropriated by Honorable Mayor and City Council for maintaining No. 15 Engine Company.....	$20,460 00
Amount drawn from City Comptroller	20,460 00
Amount appropriated by Honorable Mayor and City Council for providing for the construction or purchase of a Fire and Patrol Boat.....	$35,000 00
Amount drawn from City Comptroller	17,574 64
Balance undrawn	$17,425 36

EXHIBIT B—Continued.

Amount appropriated by Honorable Mayor and City Council for ten (10) fire alarm boxes at various places, viz: 68, 155, 168, 255, 295, 359, 397, 437, 495, 714....	$1,900 00
Amount drawn from City Comptroller	1,899 99
Balance undrawn.....	$ 01
Amount appropriated by Honorable Mayor and City Council for fire alarm box 267.	$150 00
Amount drawn from City Comptroller	150 00
Amount appropriated by Honorable Mayor and City Council for fire alarm box 496.	$200 00
Amount drawn from City Comptroller	198 30
Balance undrawn.....	$ 1 70
Amount appropriated by Honorable Mayor and City Council for fire alarm box 296.	$150 00
Amount drawn from City Comptroller	150 00
Amount appropriated by Honorable Mayor and City Council for fire alarm box 398.	$130 00
Amount drawn from City Comptroller....	128 50
Balance undrawn	$ 1 50

EXHIBIT C.

General Receipts.

Balance on hand, storeroom stock, December, 1889	$125 00
Amount drawn from City Comptroller for the year 1890	238,904 52
Amount received from sale of manure and old material	125 90
Amount received from Accident Insurance Company for injured members	921 73
Total	$240,077 15

EXHIBIT D.

Showing the amount expended for the year ending December 31, 1890.

Salaries	$163,735 18
Apparatus and repairs	10,299 64
Accident	986 71
Feed	8,876 10
Fuel	2,191 15
Furniture	1,638 17
Harness	380 59
Horse-shoeing	1,715 22
Hose and suction sleeves	7,900 47
Horses	5,305 00
Ground rent	804 25
Gas	1,153 63
Oils, grease, &c.	1,484 57
Office expenses, including printing report and Messenger's salary	829 58
Rent of telephones	668 38
Miscellaneous	1,765 67
Washing	1,589 62
Insurance of members	2,839 20
Pensioned firemen	4,800 00
Sick account	999 99
Police and Fire Alarm Telegraph	18,966 40
	$238,929 52
Insurance indemnity paid to members	921 73
	$239,851 25

EXHIBIT E.

General Statement.

Receipts from all sources.....		$240,077 15
Expenditures	$239,851 25	
Amount paid to City Register	125 90	
	$239,977 15	
Balance, storeroom stock, December 31, 1890.....	100 00	
		$240,077 15

EXHIBIT F.

Company Expenditures.

No. 1 Engine Company		$10,667 10
" 2 " "		11,116 58
" 3 " "		9,701 46
" 4 " "		11,605 50
" 5 " "		10,040 51
" 6 " "		12,871 22
" 7 " "		9,859 93
" 8 " "		8,582 77
" 9 " "		10,589 74
" 10 " "		8,672 18
" 11 " "		8,817 75
" 12 " "		9,517 98
" 13 " "		9,395 62
" 14 " "		8,555 28
" 1 Hook and Ladder Company		9,874 41
" 2 " " "		9,419 80
" 3 " " "		9,906 21
" 4 " " "		10,113 69
" 5 " " "		9,105 90
" 6 " " "		9,191 17
" 8 Chemical Company		2,892 56
		$200,497 36
Rent of telephones		668 38
Reserve apparatus		302 23
Officers' salaries and repairs		11,799 66
Office expenses		829 58
Miscellaneous		1,065 91
Pensioned firemen		4,800 00
Police and Fire Alarm Telegraph		18,966 40
		$238,929 52

EXHIBIT G.

City Annex Appropriation.

Amount appropriated by Honorable Mayor and City Council for the year 1890	$28,075	00
Amount drawn from City Comptroller	28,072	88
Balance undrawn	$ 2	12

Special Appropriations.

Amount appropriated by Honorable Mayor and City Council for a bell at No. 4 Engine House at Waverly	$100	00
Amount drawn from City Comptroller	31	43
Balance undrawn	$68	57

Amount appropriated by Honorable Mayor and City Council for deficiency of 1889	$3,860	82
Amount drawn from City Comptroller	3,855	05
Balance undrawn	$ 5	77

EXHIBIT H.

Showing the amount expended for the Annexed District for the year ending December 31st, 1890.

Salaries	$15,674 96
Apparatus and repairs	897 74
Accident	34 33
Feed	1,607 94
Fuel	222 43
Furniture	188 64
Harness	126 87
Horse-shoeing	354 90
Hose	64 34
Horses	1,545 00
Rent	868 50
Gas	122 61
Oils, grease, &c	444 54
Office expenses	
Miscellaneous	201 13
Washing	169 00
Insurance of members	310 80
Sick account	179 63
Rent of telephones	61 00
Police and Fire Alarm Telegraph	4,998 52
	$28,072 88

EXHIBIT I.

Company Expenditures.

No. 1 Engine Company	$ 2,698	08
" 2 " "	2,518	35
" 3 " "	2,531	95
" 4 " "	3,198	69
" 5 " "	2,577	52
" 6 " "	2,669	10
" 7 " "	2,646	15
" 7 Hook and Ladder	833	25
" 8 " " "	851	63
" 9 " " "	803	14
	$21,327	86
Officer's salary and repairs	1,563	21
Rent of telephone	61	00
Office expenses		
Miscellaneous	122	29
Police and Fire Alarm Telegraph	4,998	52
	$28,072	88

DR. *Financial Statement of the Baltimore City Fire*

1889.				
Dec. 31,	To storeroom balance			$ 125 00
1890.				
Jan. 31,	City Comp'r, warrants	1 to 36		20,842 70
Feb. 28,	"	"	37 " 76	19,267 87
Mar. 31,	"	"	77 " 104	17,495 24
Apr. 30,	"	"	105 " 150	22,975 79
May 31,	"	"	151 " 194	20,308 64
June 30,	"	"	195 " 243	26,562 46
July 31,	"	"	244 " 287	23,270 44
Aug. 31,	"	"	288 " 327	23,354 26
Sept. 30,	"	"	328 " 370	21,594 90
Oct. 31,	"	"	371 " 423	28,225 18
Nov. 30,	"	"	424 " 466	22,741 25
Dec. 31,	"	"	467 " 507	32,827 22
				$279,590 95
	Old material			125 90
	Insurance indemnity			921 73
				$280,638 58

Department for twelve months ending Dec. 31, 1890. Cr.

1889.					
Jan. 31,	Total expenditures this month			..	$ 20,842 70
Feb. 28,	"	"	"	..	19,267 87
Mar. 31,	"	"	"	..	17,495 24
Apr. 30,	"	"	"	..	22,975 79
May 31,	"	"	"	..	20,308 64
June 30,	"	"	"	..	26,562 46
July 31,	"	"	"	..	23,270 44
Aug. 31,	"	"	"	..	23,354 26
Sept. 30,	"	"	"	..	21,594 90
Oct. 31,	"	"	"	..	28,225 18
Nov. 30,	"	"	"	..	22,741 25
Dec. 31,	"	"	"	..	32,827 22
					$279,465 95
	Amount paid to City Register...				125 90
	Amount paid insurance indemnity				921 73
	Storeroom account, Dec. 31, 1889..				125 00
					$280,638 58

Summary.

	APPROPRIATIONS.	EXPENDITURES.	BALANCES.
Fire Department..	$223,858 39	$219,938 12	$ 3,920 27
P. & F. A. Teleg'ph	18,975 00	18,966 40	8 60
Special, Telegraph	2,530 00	2,526 79	3 21
Special, No. 15 Engine Co.....	20,460 00	20,460 00	.....
Special, Fire Boat.	35,000 00	17,574 64	17,425 36
	$300,823 39	$279,465 95	$21,357 44
Annex, Fire Dept.	23,075 00	23,074 36	64
Annex, P. & F. A. Telegraph	5,000 00	4,998 52	1 48
Annex, deficiency.	3,860 82	3,855 05	5 77
Annex, special....	100 00	31 43	68 57
	$332,859 21	$311,425 31	$21,433 90
		21,433 90	
	$332,859 21	$332,859 21	

1889.		
Dec. 31, Balance, storeroom account..	$ 125 00	
1890.		
Dec. 31, Paid out for storeroom account	2,163 68	
		$2,288 68
1890.		
Dec. 31, Delivered to companies from storeroom.....	$2,188 68	
Balance, storeroom account..	100 00	
		$2,288 68

REPORT

— OF THE —

CHIEF ENGINEER.

REPORT.

BALTIMORE CITY FIRE DEPARTMENT.

OFFICE OF CHIEF ENGINEER—CITY HALL.

BALTIMORE, January 1st, 1891.

To the Honorable Board of Fire Commissioners.

GENTLEMEN:

I have the honor herewith to submit to you the annual report of the Fire Department for the fiscal year ending December 31st, 1890, which is the thirty-second report of the paid Fire Department of Baltimore City.

On March 31st, No. 15 Engine Company, with twelve permanent members, was organized this being the first company with all the members permanent, and placed in service at the house on Lombard, near Howard street.

And on May 15th, the Captains of all the Engine and Hook and Ladder Companies were placed on duty as permanent members. This change has greatly promoted the efficiency of the Department.

The manual force of the Department, at the present time, consists of two hundred and seventy-five (275) members, of which one hundred and sixty-seven (167) are permanent members, an increase of thirty-three (33) permanent members, caused by No. 15 Engine Company being a full-paid company, the Captains being changed from call to permanent members, and an assistant being appointed to the Superintendent in the annexed districts; and one hundred and fourteen (114) are call members.

The permanent members are uniformed, and receive the following salaries:

Chief Engineer	$2,000	per annum.
2 Assistant Engineers, at the rate of	1,400	"
Superintendent of Machinery	1,400	"
21 Captains, fifteen of Engine Companies and six of Truck Companies, at the rate of	1,100	"
15 Enginemen of Steamers, at the rate of	1,100	"
15 Assistant Enginemen of Steamers, at the rate of	900	"
12 Tillermen of Hook and Ladder Trucks, at the rate of	900	"
21 Drivers of Steamers and Hook and Ladder Trucks, at the rate of	900	"
32 Firemen of Engine Companies, at the rate of	800	"

18 Laddermen of Hook and Ladder Companies, at the rate of.....	800	per annum.
Captain of No. 8 Chemical Engine Company.....	1,000	"
Fireman, No. 8 Chemical Engine Company.....	800	"
Driver, No. 8 Chemical Engine Company.....	800	"

CALL MEMBERS—NOT UNIFORMED.

79 Firemen of Engine Companies, at the rate of.....$	400	per annum.
30 Laddermen of Hook and Ladder Companies, at the rate of.....	400	"
Superintendent of Horses.....	500	"

MEMBERS OF COMPANIES IN THE ANNEXED DISTRICT—ALL PERMANENT AND UNIFORMED.

Superintendent of the Companies...$	1,000	per annum.
7 Captains of Chemical Engine Companies, at the rate of.....	600	"
10 Drivers, seven for Chemical Engines and three for Hook and Ladder Trucks, at the rate of..	600	"
8 Firemen for Chemical Engines, at the rate of.....	600	"

277 members.

SUBSTITUTE MEMBERS.

There are five substitute members to each Engine and Hook and Ladder Company. They are paid when on duty for regular members; are in line of promotion, and are insured against accidents for the same amount as the regular members.

All members of the Department receive their full salary when off duty, injured or sick, and when injured, five dollars additional per week from their insurance; and in case of death from injuries received while performing fire duty, one thousand dollars is paid to the widow or other representative.

There are thirteen members who have become disabled from injuries received in the service; they are retired and pensioned, each one of them receiving four hundred dollars per annum.

Members who have been Retired from all Service and Pensioned.

Names.	Position.	Company.	Date of Appointment.	Date When Pensioned.	Cause.
George W. Krager.	Captain.....	No. 8 Engine Co..	April 1, 1868....	Jan. 1, 1883.....	Blind; struck by a stream of water.
Ebenezer Smith...	Fireman	No. 11 Engine Co.	Dec. 1, 1874.....	Jan. 1, 1883.....	Blind; eyes burned by sulphuric acid.
John Wernsing...	Hostler.....	No. 6 Engine Co..	April 1, 1863....	Jan. 1, 1883.....	Paralysis of left arm.
John Izer.....	Fireman	No. 12 Engine Co.	Feb. 15, 1875....	April 10, 1884...	Left ankle broke.
Lewis Pistel.....	Ladderman.	No. 2 Truck Co...	Dec. 2, 1878.....	Jan. 1, 1885.....	Right hip-bone broken.
William Gordon..	Fireman	No. 6 Engine Co..	July 7, 1882.....	April 6, 1886....	Cap of right knee broken.
Jacob Hindes.....	Captain.....	No. 2 Engine Co..	April 1, 1868....	October 1, 1886..	General debility.
James Kelly.....	Captain.....	No. 4 Truck Co...	Feb. 1, 1879.....	October 1, 1888..	Both legs broken.
Owen D. Burgess.	Fireman	No. 8 Engine Co..	March 1, 1871...	Jan. 1, 1890.....	Left hip-bone broken.
Benjamin T. Wirts	Fireman	No. 12 Engine Co.	Jan. 11, 1865....	Jan. 1, 1890.....	Rheumatism.
Thos. S. Rodenhi.	Fireman	No. 2 Engine Co..	Feb. 8, 1859.....	May 1, 1890.....	Failing eye-sight; back injured.
John Gildea.....	Fireman	No. 7 Engine Co..	Feb. 8th 1859....	May 1, 1890.....	Left hip-bone broken; general debility.
James T. Elliott..	Ladderman.	No. 6 Truck Co...	Sept. 11, 1885...	May 1, 1890.....	Hands and arms burned with coal oil.

Deaths, Resignations, Dismissals, Transfers, Appointments and Promotions.

Companies.	Deaths.	Resignations.	Dismissals.	Appointments.	Transfers.	Promotions.
No. 1 Engine Company ..	....	....	1	2	....	2
No. 2 Engine Company ..	....	....	....	2	....	2
No. 3 Engine Company ..	....	....	1	3	2	....
No. 4 Engine Company ..	....	....	....	1	....	1
No. 5 Engine Company ..	....	....	....	....	3	1
No. 6 Engine Company ..	1	....	....	....	1	....
No. 7 Engine Company ..	....	1	....	3	....	1
No. 8 Engine Company ..	....	1	1	2	....	1
No. 9 Engine Company ..	....	1	....	1	1	....
No. 10 Engine Company..	....	....	1	2	....	....
No. 11 Engine Company..	....	....	....	2	1	....
No. 12 Engine Company..	....	....	....	1	....	....
No. 13 Engine Company..	....	....	....	....	....	....
No. 14 Engine Company..	....	2	....	3	1	4
No. 15 Engine Company..	....	1	....	10	4	2
No. 1 Hook and Ladder Co.	..	1	....	1	1	2
No. 2 Hook and Ladder Co.	....	1	...	1	....	1
No. 3 Hook and Ladder Co.	....	....	1	1	1	4
No. 4 Hook and Ladder Co.	1	1	1	3	....	....
No. 5 Hook and Ladder Co.	....	....	2	3	3	2
No. 6 Hook and Ladder Co.	1	....	2	3	....	....
	3	9	10	44	18	23

Deaths, Resignations, Dismissals, Transfers, Appointments and Promotions.

Companies.	Deaths.	Resignations.	Dismissals.	Appointments.	Transfers.	Promotions.
No. 1 Chemical Engine Co.	....	....	....	....	1	....
No. 2 Chemical Engine Co.	....	....	....	....	1	....
No. 3 Chemical Engine Co.	....	1	....	1	....	....
No. 4 Chemical Engine Co.	....	1	....	3	2	2
No. 5 Chemical Engine Co.	....	....	....	....	....	....
No. 6 Chemical Engine Co.	....	....	....	....	1	....
No. 7 Chemical Engine Co.	....	....	....	....	....	....
No. 8 Chemical Engine Co.	....	....	1	2	1	....
	....	2	1	6	6	2

By a rule adopted on September 5th, 1890, all applicants for positions in the service of this Department have to undergo an examination in regard to their physical condition, and for members of Engine Companies they are required to be not less than five feet and five inches in height, and 34 inches around the chest, and for members of Hook and Ladder Companies they are required to be five feet and eight inches in height, and 36 inches around the chest.

PERMANENT MEMBERS.

Some of the Engine Companies have six permanent and six call members; some of them six permanent and five call members, and Nos. 8, 10, 11 and 13 Engine Companies have five permanent and six call members. Each member is given one day's holiday every month, and during the meal hours, as the members go to their meals two at a time, there are only three members, and at all other times only four members, during meal hours, remaining at the houses, barely enough to take the apparatus to a fire, and as the call members are not generally available at the beginning of a fire, when most needed, during the day, they have been dispensed with in the Fire Departments of all the large cities except Baltimore, San Francisco and New Orleans, for with the large buildings and great values stored in them, it is essential that there should be enough of members at all times about the houses of the Companies that are located near the business section of the City, so that when fires occur there will be no delay in getting the apparatus in service. The necessity of having the members of the central Companies all permanent was forcibly demonstrated at the fire that occurred at 12.20 P. M. on December the 25th (Christmas Day), burning of the Masonic Temple, it being at a time when two of the six permanent members attached to each Engine Company were at dinner, there were but four members left at the houses, and of the five Engine Companies that responded to the fire on the first alarm, only one

Company, No. 15 Engine, which has twelve permanent members, had members enough present to take their hose in the building.

I would recommend that the members of the following Companies should be made permanent: Nos. 1, 2, 3, 4, 5, 6, 7 Engine Companies, and Nos. 1 and 2 Hook and Ladder Companies, and that another permanent member should be placed in Nos. 8, 10, 11 and 13 Engine Companies, by promoting a call fireman to a permanent fireman, which will only increase the expenses of each of these Companies four hundred dollars per annum.

POMPIER LIFE-SAVING CORPS.

As the greatest height to which the extension ladders on the largest Hayes' Trucks, such as Nos. 1 and 2 are, can be elevated is eighty-five (85) feet, and as a great number of buildings have been erected whose upper-story windows are beyond the reach of these ladders, I would recommend that a set of Pompier Corps Ladders, and a suitable wagon to carry them on to fires, be procured. These ladders are made with a single staff, the rounds passing through it, and have an iron prong at the end to catch and hold over the window sills of the buildings, where they are required to be used, so that the firemen can get to the windows where the other ladders will not reach, and that a Company be organized, by selecting suitable men from the other Companies to work them, as they would soon

become, by proper drilling, proficient in using these ladders, belts and life line, so that in case of an emergency they would be able to give aid in rescuing persons whose lives are imperilled in high buildings. Would also recommend that two Pompier Ladders be carried on each Hose Wagon.

NO. 1 TRUCK HOUSE.

The building on Harrison street, now occupied by No. 1 Truck Company, needs a great deal of repairing, and is in a bad location. This locality being used as a part of Centre Market, and on market days the street in front of the Truck House is so blocked up with wagons, who make a stand of this portion of Harrison street to sell their goods, that when there is a fire the Company is always delayed in getting out. I would recommend that a house be built in the vicinity of Gay and Lombard streets, to accommodate this company, and that the house now occupied by them on Harrison street be used as a station for another Chemical Engine Company, as a large number of fires occur in this section.

THE BUILDING OCCUPIED BY No. 15 ENGINE COMPANY AND No. 8 CHEMICAL ENGINE COMPANY.

The building on Lombard near Howard street, which is occupied by these two Companies, is in the centre of the mercantile section of the City, and should be put in a condition to make the Companies occupying it

more efficient, as well as making it have a creditable appearance. The work required to be done is to demolish the front building, which is now four stories high and twenty-six feet front, and erect in its place a two-story brick building to cover the entire front of the lot, which is thirty-six feet, so that the apparatus of the two Companies can stand side by side, with two large doors in front, one of which would be for the apparatus of No. 15 Engine Company, and the other for the Chemical Engine and Water Tower, with a small door between the large doors, the four stalls for the horses of the Chemical Engine and Hose Wagon to be between and alongside of the apparatus, with a tower fifty-six feet high at the rear end of the building where the yard commences, to hang the hose in, and to have four brass poles in the front building leading from second story.

In rear of the present building, there is a vacant lot seventy-seven (77) by thirty-six (36) feet; on this there should be erected a two-story brick building extending back to the twelve (12) foot alley in the rear, and of the same width as the centre building, twenty feet on the first floor to be divided off and used as a sitting room, the remaining part of the first story to be used for reserve horses and apparatus, as they should be kept in a central location so as to be quickly available when required. There being no room at the houses of the centrally located Companies, they are now kept at the houses of the Companies on the outskirts. In the second-story there should be a sleeping-room and bath-

rooms, with two brass poles leading down to the first story. The remainder of the second-story will be used as a feed loft and storeroom to keep the supplies in, as the Department needs a place of this kind. The supplies are now kept in the cellar of No. 4 Engine House, which is used as a storeroom, and in a wardrobe at the Chief Engineer's office in the City Hall.

No. 17 ENGINE COMPANY.

As a lot of ground on Second street, between Maryland avenue and Oak street, thirty-six (36) feet front, and one hundred and forty (140) feet in depth has been purchased, I would recommend that a house should be built, to be twenty-five (25) feet front, one hundred and twenty (120) feet deep, and two stories high, and that another Engine Company be organized and placed in it, as an Engine Company is badly needed in this neighborhood, which is closely built up with a good class of houses, mostly dwellings. The nearest Engine Company is No. 7, which is located at the corner of Druid Hill avenue and Eutaw street. There has been no increase to the number of Engine Companies in this section of the City since the Department was organized, thirty one years ago, and from this location a Company would afford protection to the valuable mill properties at Woodberry, Hampden and other surrounding places, as they are now supplied with water, and the Company could get to these places in a few minutes.

No. 3 Chemical Engine Company, which is now occupying a small building on Fifth street, near Charles street avenue, for which the City is paying two hundred and forty (240) dollars a year rent, will be removed and occupy part of the building.

EQUIPMENT OF No. 15 ENGINE COMPANY.

One extra first size Steam Fire Engine.

One Steam Heater for the Engine.

Two Hose Wagons.

Three thousand (3,000) feet of three-inch fabric Hose.

Four Horses.

Two double sets of swinging Harness.

All necessary Furniture and Tools.

EQUIPMENT REQUIRED FOR No. 17 ENGINE COMPANY.

One third size Steam Fire Engine.

One Steam Heater for the Engine.

Two Hose Wagons.

Three thousand (3,000) feet of two-and-a-half-inch fabric Hose.

Four Horses.

Two sets of double swinging Harness.

Furniture and Tools.

ORGANIZATION OF No. 17 ENGINE COMPANY.

I would recommend that this Company should be organized with nine permanent members; namely: Captain, engineman, assistant engineman, hostler and five firemen.

FIRE BOAT—ENGINE 16.

On June the 6th, the contract was awarded to the E. J. Codd Company, of this City, to build a Fire Boat to protect the shipping and property along and near the water front. The boat was launched at the shipyard of Brusstar & Brother, who built the hull, on December the 28th; the machinery, including the pumps for fire service, are in course of construction, and will be completed by March the 1st; the boat will then require fitting up with hose, play-pipes, tools and furniture, a building, to be used as a station, situated near where the boat will lay at, with a fire-gong, telephone and accommodations for the crew, will be required. I would recommend the foot of West Falls avenue, or Montgomery street, as a suitable location, as it is central from all parts of the harbor; would also recommend that an electric search light be carried on the boat to prevent accidents, such as running down vessels on dark nights and in foggy weather.

WATER TOWER.

The Hale Water Tower, for which the contract was awarded on November the 12th, will not be completed until February, 1891, when received it will be placed

in service and stationed at the house of No. 6 Hook and Ladder Company until the improvements are made at No. 15 Engine House.

WHERE THE COMPANIES OF THE DEPARTMENT ARE LOCATED—STEAM ENGINE COMPANIES.

No. 1, Paca street, north of Fayette street.

No. 2, Barre street, west of Sharp street.

No. 3, Lombard street, east of High street.

No. 4, Lexington street, west of North street.

No. 5, Ann street, near Gough street.

No. 6, at the intersection of Gay and Ensor streets.

No. 7, on Eutaw street, corner of Druid Hill avenue.

No. 8, Mulberry street, east of Oregon street.

No. 9, Madison street, east of Broadway.

No. 10, Columbia avenue, near Poppleton street.

No. 11, Eastern avenue, corner of Patterson Park avenue.

No. 12, Fort avenue, corner of Johnson street.

No. 13, at the intersection of Fremont street and Myrtle avenue.

No. 14, Hollins street, west of Monroe street.

No. 15, Lombard street, west of Howard street.

HOOK AND LADDER COMPANIES.

No. 1, Harrison street, near Fayette street.

No. 2, Paca street, near Fayette street.

No. 3, Ann street, near Gough street.

No. 4, Biddle street, near Druid Hill avenue.

No. 5, Aisquith street, near Oliver street.

No. 6, Hanover street, corner of Ostend street.

No. 7, York road, Waverly.

No. 8, Brunswick street, near the Frederick road.

No. 9, Hampden.

CHEMICAL ENGINE COMPANIES.

No. 1, Brunswick street, near the Frederick road.

No. 2, Mary street, Clifton.

No. 3, Fifth street, near Charles street avenue.

No. 4, York road, Waverly.

No. 5, Homestead.

No. 6, Belair road.

No. 7, Hampden.

No. 8, Lombard street, near Howard street.

APPARATUS IN SERVICE WITH COMPANIES.

Fifteen (15) Steam Fire Engines.

Five (5) Hose Wagons and twenty-five (25) Hose Carriages.

Forty (40) Fire Extinguishers, of five gallons capacity.

Four (4) Fire Extinguishers, of fifteen gallons capacity.

Five (5) Hayes' Extension Ladder Trucks and four Banked Ladder Trucks; one of them carries a Bangor Extension Ladder.

Eight (8) double tank Chemical Engines, four of them have 50-gallon tanks on, three have 85-gallon tanks on, and one engine has 100-gallon tanks on.

Five (5) Concord Wagons, with large gongs on the dashboards.

Fifteen (15) Heaters to keep steam on the engines.

Five (5) Wagons to bring fuel to the engines at fires.

Six (6) Life Nets for people to jump in.

APPARATUS IN RESERVE.

Five (5) Steam Fire Engines; one first size Hayes' Extension Ladder Truck; one Truck with banked ladders; one double fifty (50) gallon Tank Chemical Engine; two Concord Wagons, with large gongs on; one Truck to carry broken apparatus on, and one Heater.

CONDITION OF THE APPARATUS.

All the apparatus is in good, serviceable condition, with the exception of No. 3 Engine, which requires a new boiler. During the past year a considerable

amount of repairing has been done, especially to the running-gear of the apparatus; a new boiler with all new fittings was put on No. 4 Engine, and all the machinery on No. 1 Engine was thoroughly overhauled.

APPARATUS REQUIRED FOR THE DEPARTMENT.

One second size, vertical, crane neck, double piston Steam Fire Engine; two Hose Wagons, similar to the Hose Wagons we have in service; one Fuel Wagon to to be placed in service at No. 5 Hook and Ladder Company; four sets of Mowrys' patent three-horse Poles, so as to work three horses abreast in Nos. 1 and 4 Hook and Ladder Companies, and Nos. 4 and 9 Engine Companies. Four sets of single swinging Harness will be required for the additional horses, and four five-gallon Fire Extinguishers, to replace four that are worn out.

NEW APPARATUS RECEIVED AND PLACED IN SERVICE.

The apparatus of the Department has been increased by the addition of two Steam Fire Engines, four Hose Wagons, four Fire Extinguishers, two Life Saving Nets, one Steam Heater, one Siamese Outfit and two three-horse Poles.

STEAM FIRE ENGINES.

One second size, double, vertical, crane neck, piston Steam Fire Engine, built by the La France Company; diameter of the boiler, 32 inches; height of boiler, 62

inches; diameter of the pumps, 4¾ inches; diameter of steam cylinders, 8¼ inches; length of stroke, 8 inches; capacity of engine, 750 gallons per minute; weight when ready for service, 8,520 pounds; placed in service at No. 6 Engine Company on November 10th, 1890.

One extra first size, double, vertical, crane neck, piston Steam Fire Engine, built by the Clapp & Jones Company; diameter of the boiler, 38 inches; height of the boiler, 66 inches; diameter of the pumps, 5¾ inches; diameter of steam cylinders, 9¾ inches; length of stroke, 8 inches; capacity of engine, 1,000 gallons per minute; weight when ready for service, pounds; placed in service at No. 15 Engine Company on

HOSE WAGONS.

Four Hose Wagons, one built by James Lally, was placed in service at No. 7 Engine Company; two built by A. B. Whitelock, were placed in service at No. 15 Engine Company, and one built by Charles T. Holloway, was placed in service at No. 9 Engine Company.

FIRE EXTINGUISHERS.

Four five-gallon Fire Extinguishers, made by Charles T. Holloway, were placed in service, one at No. 4 Hook and Ladder Company, one at No. 12 Engine Company, and two at No. 15 Engine Company.

LIFE-SAVING NETS.

Two Life-Saving Nets were placed in service, one at No. 1 Hook and Ladder Company, and one at No. 2 Hook and Ladder Company.

STEAM HEATER.

One Steam Heater, made by the E. J. Codd Company, was placed in service at No. 15 Engine Company.

SIAMESE OUTFIT.

One four-way Siamese, with pipe, standard and nozzles, was placed in service at No. 15 Engine Company.

WORKING THREE HORSES ABREAST.

The arrangement to work three horses abreast has been placed on No. 2 Engine and No. 1 Hayes' Truck.

DESCRIPTION OF STEAM FIRE ENGINES.

No. 1 is a first size, vertical, crane neck, piston double Engine, built by Ives & Brother in 1874, rebuilt by the La France Company, and a nest tube boiler put on in January, 1884.

No. 2 is a first size, vertical, crane neck, piston double Engine, built by the La France Company in January, 1889.

No. 3 is a first size, vertical, crane neck, piston double Engine, built by Ives & Brother in 1874, rebuilt by Clapp & Jones, and a drop tube boiler put on in December, 1884.

No. 4 is a first size, vertical, crane neck, piston double Engine, built by Ives & Brother in 1873, rebuilt by the La France Company, and a nest tube boiler put on in March, 1883, and another nest tube boiler put on by the La France Company in July, 1890.

No. 5 is a third size, horizontal, half crane neck, piston double Engine, with a drop tube boiler, built by Clapp & Jones in December, 1885.

No. 6 is a second size, vertical, crane neck, piston double Engine, built by the La France Company in November, 1890.

No. 7 is a third size, vertical, straight frame, piston single Engine, built by Reaney & Neafie in September, 1858, rebuilt by Clapp & Jones, and a drop tube boiler put on in November, 1883.

No. 8 is a third size, vertical, crane neck, piston double Engine, built by the La France Company in August, 1888.

No. 9 is a second size, vertical, crane neck, piston double Engine, built by the La France Company in August, 1886.

No. 10 is a second size vertical, crane neck, piston double Engine, built by Clapp & Jones in September, 1886; it has a coil tube boiler on.

No. 11 is a second size, vertical, crane neck, piston double Engine, built by the La France Company in February, 1889.

No. 12 is a third size, horizontal, straight frame, piston double Engine, built by Clapp & Jones in August, 1885; it has a drop tube boiler on.

No. 13 is a second size, crane neck, rotary Engine, built by the Silsby Company in August, 1887.

No. 14 is a third size, vertical, crane neck, piston double Engine, built by Clapp & Jones in July, 1888; it has a coil tube boiler on.

No. 15 is an extra first size, vertical, crane neck, piston double Engine, built by Clapp & Jones in 1890.

Reserve Engine A, formerly No. 2, is a third size, horizontal, straight frame, piston single Engine, built by Ives & Brother in 1864, rebuilt by the La France Company in 1884, and a nest tube boiler put on.

Reserve Engine B, formerly No. 8, is a fourth size, horizontal, straight frame, piston single Engine, built by Poole & Hunt in 1867, rebuilt by Ives & Brother, and a new boiler put on in 1878.

Reserve Engine C, formerly No. 9, is a third size, horizontal, straight frame, piston single Engine, built by Ives & Brother in 1871.

Reserve Engine D, formerly No. 11, is a fourth size, horizontal, straight frame, piston single Engine, built by Poole & Hunt in 1867, rebuilt by Ives & Brother, and a new boiler put on in 1875.

Reserve Engine E, formerly No. 13, is a third size, horizontal, straight frame, piston single Engine, built by Ives & Brother in 1876.

ENGINES.	Cylinders.		Pumps.		Boilers.		Gallons per Minute.	Weight as Drawn to Fires.
	Diameter.	Stroke.	Diameter.	Stroke.	Diameter.	Height.		
Engine No. 1	8½	10	4¾	10	38	64	900	9,420
Engine No. 2	8¾	8	5	8	36	60	900	9,400
Engine No. 3	8½	10	5	10	38	66	1000	9,600
Engine No. 4	8½	10	4¾	10	38	64	900	9,400
Engine No. 5	6¼	7	3¾	7	32	60	500	6,700
Engine No. 6	8¼	8	4¾	8	32	60	700	8,500
Engine No. 7	9	12	5	12	32	60	450	6,900
Engine No. 8	8⅛	6	4¾	6	30	60	600	7,100
Engine No. 9	7¾	8	4⅜	8	32	60	700	7,480
Engine No. 10	7½	7	4⅝	7	32	60	750	7,160
Engine No. 11	8⅜	8	4¾	8	34	60	750	8,400
Engine No. 12	6¼	7	3¾	7	32	60	500	6,825
Engine No. 13	Rotary.				34	60	600	6,700
Engine No. 14	7	7	4⅜	7	32	60	600	6,990
Engine No. 15	9¾	8	5¾	8	38	....	1000	.....
Engine A....	9½	12	5½	12	34	66	500	8,150
Engine B....	11	8	4⅜	8	31	60	280	6,800
Engine C....	12	12	5	12	34	60	340	7,800
Engine D....	11	8	4⅜	8	31	60	280	6,430
Engine E....	9½	12	5½	12	34	60	340	7,800

HOSE.

Two hundred and thirty (230) sections, making eleven thousand five hundred (11,500) feet of new hose, complete with couplings, that were received during the past year, three thousand eight hundred (3,800) feet of which was three-inch fabric hose, of the following brands: 3,000 feet Unique Brand Treated Hose, placed in service at No. 15 Engine Company, and 800 feet of Baker Fabric Hose, placed in service at No. 4 Engine Company, and seven thousand seven hundred (7,700) feet was two and a-half inch hose of the following brands:

1,400 feet of Unique Brand Treated Fabric Hose.

1,400 feet of Eureka Triple-ply Fabric Hose.

1,400 feet of American Jacket Fabric Hose.

1,400 feet of Red Dot Cable Fabric Hose.

1,400 feet of Baker Fabric Hose.

600 feet of Four-ply Gum Hose, made by the New York Belting and Packing Company, and 100 feet of sample Fabric Hose.

There is now in service thirty-three thousand seven hundred (33,700) feet of reliable hose; ten thousand (10,000) feet of medium quality hose which has been tested at two hundred (200) pounds pressure. Six thousand two hundred and fifty (6,250) feet of hose that would not stand the required pressure was condemned and taken out of service.

HOSE.

Company.	New Hose Received.	Reliable Fabric Hose.	Medium Fabric Hose.	Reliable Gum Hose.	Medium Gum Hose.	Condemned Fabric Hose.	Condemned Gum Hose.
	Feet	Feet	Feet	Feet	Feet	Feet	Feet
No. 1 Engine Co.	1000	2550	850	....	450	150	100
No. 2 Engine Co.	700	3300	....	250	....	100	300
No. 3 Engine Co.	600	1800	750	....	800	50	300
No. 4 Engine Co.	800	2800	....	....	....	....	....
No. 5 Engine Co.	600	1800	950	....	700	100	250
No. 6 Engine Co.	1000	1700	1000	....	500	600	100
No. 7 Engine Co.	1100	2350	500	....	....	1200	....
No. 8 Engine Co.	300	1950	....	200	....	250	100
No. 9 Engine Co.	700	1900	950	....	300	250	400
No. 10 Engine Co.	300	2100	850	....	400	....	450
No. 11 Engine Co.	600	1900	....	....	1100	....	....
No. 12 Engine Co.	600	200	....	1800	1600	....	200
No. 13 Engine Co.	200	2100	1200	....	....	250	....
No. 14 Engine Co.	....	2000	700	....	....	100	....
No. 15 Engine Co.	3000	3000	....	....	....	....	....
	11500	31450	7750	2250	5850	4050	2200

Seven thousand (7,000) feet of two and a-half inch fabric hose will be required for the Department during the year 1891.

HORSES.

There are one hundred and sixteen (116) horses in the service, and with a few exceptions they are in first-class condition. During the past year thirty-six (36) horses were purchased, four of which were for No. 15 Engine Company, and ten (10) horses were for Companies in the annexed districts. Twenty-nine (29) horses that were disabled from various causes and unfit for the service were given in exchange. One horse died, and one horse was injured so badly, having his left hip-bone broken, that he had to be given away.

The horses are used in the following manner:

Fifteen Engine Companies, four horses to each Company	60	horses.
Six Hook and Ladder Companies, three horses to each Company	18	"
Eight Chemical Engine Companies, two horses to each Company	16	"
Three Hook and Ladder Trucks, one Truck with two horses, and two Trucks with one horse each	4	"
Used by Officers of Fire Department	11	"
Used by Fire Alarm Telegraph	3	"
Used in Supply Wagon	1	"
Four horses in reserve	4	"
Total	116	horses.

Two more horses are required.

It will be seen from the report of this and the preceeding years that a large number of horses become disabled by accidents and sickness caused by arduous service required of them, and there being no place in the Department that can be used as a hospital, where the sick and injured horses could be sent and attended to, they have to be taken to some veterinary hospital, which entails a considerable expense, or disposed of. And it is a necessity, and would be a matter of economy for the Department, to secure the services of a competent person who has had some experience as a veterinary surgeon, whose duty it should be to look after, examine and attend to the horses, and there should be some place near the centre of the City fitted up with box stalls, to be used as a hospital for the horses.

HOUSES OCCUPIED BY THE COMPANIES.

The twenty-four houses that are owned by the City and occupied by the Department as stations for the Companies are in good condition. The following are some of the principal items of repairing done :

No. 2 Engine House.—All the woodwork and front of the house painted.

No. 3 Engine House.—New floor and drain pipes in engine-room, four stalls put up on each side of the apparatus where the horses work. The spiral stairway was taken down and placed near the rear part of

the room. Sitting-room built by dividing off the rear end of the engine-room. Bins built for fuel and all the woodwork inside the house painted.

No. 5 Engine House.—Ventilator put over sleeping-room. Sash put in back doors and inside of the house painted.

No. 7 Engine House.—A tower fifty-five feet high was built to dry the hose in and a new tin roof put on the building.

No. 8 Engine House.—Woodwork painted and walls of sleeping-room kalsomined.

No. 9 Engine House.—Another window made in side wall on first story and another sliding-pole put up.

No. 10 Engine House.—A granolithic cement floor was put in engine-room, and front pavement and arch over the gutter of same material. Four stalls put up for the horses alongside of the apparatus. Large double doors made in rear wall of engine-room so that the apparatus can be driven in. Ceiling of engine-room wainscoated. Bins made to keep the fuel in and the inside and outside of the building painted.

No. 11 Engine House.—Another sliding-pole was put up.

No. 12 Engine House.—New joists and floor put in engine-room, new front doors, new plumbing work and drain pipes.

No. 15 Engine House.—Two additional sliding-poles were put up, bath-room made in third story, gutter in front of Engine House kerbed and covered with iron plates.

No. 4 Truck House.—Drain pipes in back stable altered and the house painted.

No. 5 Truck House.—Partition in second story taken down, stairway enclosed and room painted.

No. 6 Chemical Engine House.—New front doors and pavement.

REPAIRS AND ALTERATIONS REQUIRED TO BE DONE TO THE HOUSES OF THE DEPARTMENT.

Towers fifty-five (55) feet high to dry the hose in, are required at Nos. 8, 9, 11 and 12 Engine Houses.

No. 1 Engine House.—New floor in engine-room.

No. 2 Engine House.—Granolithic cement front pavement, new front doors and a rear entrance made to stable.

No. 7 Engine House.—New front doors to engine-room.

No. 9 Engine House.—The four horse stalls taken down, as they are too wide, and five horse stalls put up.

Nos. 4, 5 and 6 Chemical Engine Houses in the Annex need new floors in the engine-rooms.

MEMBERS OF COMPANIES IN THE ANNEXED DISTRICT.

All the members of the Department that are attached to Companies in the annexed district receive the same salary, which is six hundred dollars per annum. There should be some distinction between the pay of the Captains and the other members, as on him rests the responsibility for the discipline maintained and the management of the Company at fires, and although the service they are required to perform at fires is not arduous, yet their confinement at their Company's houses is the same, and they are required to procure the same uniforms as the members of the Department in the City Companies, who receive larger salaries.

FIRE ALARM BOXES.

Seventeen (17) additional Fire Alarm Boxes were put up. Fifteen (15) of them are street boxes, and two (2) are private boxes. They are numbered and located as follows:

Box 137—Merchants and Miners' wharf, foot of Mill street.
" 155—Caroline and Gough streets.
" 168—Washington and Aliceanna streets.
" 255—Aisquith street and North avenue.
" 267—Caroline street and North avenue.
" 295—Calvert and Fourth streets, in the Annex.
" 296—St. Paul and Tenth streets, in the Annex.
" 359—Eutaw and Preston streets.

Box 397—Roland avenue and Merryman's lane, in the Annex.
" 398—Charles-street avenue and Merryman's lane, in the Annex.
" 433—Winans' Mansion, Baltimore, near Poppleton street.
" 437—Pratt and Greene streets.
" 495—Liberty and Bloomingdale roads, in the Annex.
" 496—North avenue and Tenth street, in the Annex.
" 515—No. 15 Engine House, Lombard, near Howard street.
" 68—Marshall and Winder streets.
" 714—Clement and Webster streets.

Making the total number of Fire Alarm Boxes now in service, two hundred and ninety-four (294), nine of which are private boxes, and are placed inside of buildings, or on piers. Box 515 has a keyless door.

KEYLESS DOORS TO FIRE ALARM BOXES.

I would again call attention to the necessity of placing keyless doors on the following Fire Alarm Boxes, which are located in the mercantile and manufacturing sections of the City, so that when fires occur, the alarms can be sent in without delay, for with the locked doors there is sometimes trouble in finding a key, especially on Sundays, or after business hours, when the stores or offices are closed where the keys are kept: Boxes 14, 124, 125, 126, 128, 131, 134, 212,

241, 248, 312, 314, 316, 32, 322, 416, 417, 419, 42, 423, 425, 427, 43, 431, 436, 437, 514, 52, 523 and 61—thirty Fire Alarm Boxes.

There is now in service thirty-one Fire Alarm Boxes with keyless doors, some of them have been in service three years. There has not been any false alarms sent in from them.

CASUALTIES.

Company.	Position.	Name.	Date.	Box	Time Off Duty.	Nature of Injury.
Engine Co. No. 1	Fireman	Albert Oelman	Dec. 31, 1889	425	14 days	Right shoulder and hip sprained.
Engine Co. No. 3	Substitute	Chas. W. Johnston	Dec. 31, 1889	415	7 days	Head cut.
Engine Co. No. 3	Fireman	James L. Lindsey	Oct. 1, 1890	14	3 days	Back sprained.
Engine Co. No. 4	Captain	George W. Horton	April 26	214	3 days	Eyes injured.
Engine Co. No. 4	Captain	George W. Horton	May 25	13	2 days	Right foot cut.
Engine Co. No. 4	Fireman	James Allen	July 20	135	7 days	Right foot sprained.
Engine Co. No. 4	Substitute	James Patterson	November 23	217	.....	Left leg bruised.
Engine Co. No. 5	Fireman	Henry R. Seippel	February 10	151	14 days	Left foot mashed.
Engine Co. No. 5	Captain	Wm. G. Miller	February 10	151	217 days	Head cut.
Engine Co. No. 5	Fireman	John G. Baker	November 2	483	2 days	Right ankle sprained.
Engine Co. No. 6	Fireman	Benj. F. Seip	September 28	252	2 days	Eyes injured.
Engine Co. No. 7	Fireman	John H. Gildea	December 23	343	30 days	Right arm sprained.
Engine Co. No. 7	Asst. Engm.	Thomas S. Brown	March 4	.....	14½ days	Left side injured.
Engine Co. No. 7	Fireman	Wm. Clark	December 3	....	7 days	Left side injured.
Engine Co. No. 8	Fireman	G. B. Chapman	October 31	493	19 days	Right ankle sprained.
Engine Co. No. 8	Substitute	John Murphy	September 1	321	8 days	Head cut and right foot sprained.
Engine Co. No. 9	Fireman	Wm. H. Cuddy	September 27	252	2 days	Right hand cut with glass.
Engine Co. No. 12	Fireman	Wm. Kirwin	March 14	6	14 days	Cap of left knee injured.
Engine Co. No. 12	Substitute	Chas. Breadhauser	September 5	437	Still off duty.	Left leg broken near the thigh and right leg broken near ankle.
Engine Co. No. 13	Hostler	Thomas Wright	September 1	41	3 days	Back and right leg bruised.
Engine Co. No. 15	Fireman	Leon A. Talbot	May 14	524	2 days	Head cut.
Engine Co. No. 15	Asst. Engm.	Wm. F. Awalt	June 28	413	2 days	Right leg bruised.
Hook & Ladder No. 1	Ladderman	George Casseday	May 21	14	36 days	Left ankle injured, struck with a pick.
Hook & Ladder No. 2	Ladderman	Wm. J. Thomas	Dec. 27, 1890	....	21 days	Stomach injured, kicked by a horse.

CASUALTIES—Continued.

Company.	Position.	Name.	Date.	Box	Time Off Duty.	Nature of Injury.
Hook & Ladder No. 2.	Ladderman..	J. Fred. Schaefer..	July 24.....	43	39 days..	Contusion of right knee.
Hook & Ladder No. 3.	Ladderman..	John Battee	August 19....	....	2 days.	Right wrist sprained.
Hook & Ladder No. 4.	Ladderman..	John Kelly.....	February 10..	....	10 days..	Left ankle sprained.
Hook & Ladder No. 4.	Ladderman..	George Whollebar.	February 2...	....	8 days..	Right hand cut.
Hook & Ladder No. 4.	Captain.....	Andrew Bibson...	April 11.....	391	3 days..	Left ankle sprained.
Hook & Ladder No. 4.	Hostler	James Kelly.....	September 20.	....	12 days..	Right knee cut, kicked by horse.
Hook & Ladder No. 4.	Ladderman..	George W. Popp..	November 11..	473	Killed....	Lower part of breast mashed and back broken; run over by the truck.
Hook & Ladder No. 6.	Ladderman..	James T. Elliott ..	Sept. 4, 1889..	64	240 days..	Breast, face, arms and hands burned with coal oil; placed on pension roll.
Annexed District.....	Sup't.....	Wm. M. Dunn....	March 19.....	....	7 days..	Right hip bruised.
Chem. Engine Co. No. 4	Substitute ..	Edward B. Green.	June 19	291	6 days..	Overcome by smoke.

DEATHS.

No. 6 Hook and Ladder Company—Call Ladderman George S. Taylor, died on January 18th, of bronchitis. He was 28 years of age, and had been a member of the Department nine months.

No. 6 Engine Company—Captain Bernard Shaw, died on September 13th, of an affection of the heart. He was 58 years of age, and had been a member of the Department fifteen years.

No. 4 Hook and Ladder Company—Call Ladderman George W. Popp, was killed on the night of November 11th. He fell down, and the right hind wheel of the Hayes' Truck, which was coming out of the house to respond to an alarm of fire at Box 473, passed over the upper part of his stomach, crushing his ribs and breaking his spine; he died in thirty minutes after the occurrence. He was 37 years of age, and had been a member of the Department two years.

FIRES.

During the past year there were 594 fires, for which 401 first alarms, 16 second alarms, 6 third alarms, and one general alarm were sent out, and 193 were still alarms. The total loss was $, of which amount $ was caused by the burning of the Masonic Temple on December 25th.

There were nine fires where the damage at each exceeded $10,000, as follows. We are indebted to the Secretary of the Salvage Corps for the statement of the losses.

January 6th—No. 111 West Baltimore street, a four-story brick building, 30 by 110 feet, occupied by Johnston, Boyd & Co., wholesale dealers in notions and white goods. The fire originated in the basement, from the furnace, and went up the two skylights through the roof. The fire was confined to the centre of the building. The first alarm was received from Box 412, at 11.14 P. M., and general alarm at 11.19 P. M.; recall signal on January 7th, at 2.16 A. M. This fire required the services of seven engine, one chemical engine and three hook and ladder companies. Loss, $44,546.39; insurance, $107,500.00.

February 20th—No. 314 North street, extending back to Davis street, a two-story brick building, 50 by 200 feet, occupied by Samuel G. Crocker, commission merchant, and contained a large stock of baled hay and straw, oats, corn and wheat. The second story was badly damaged and the roof burned off. The first alarm was received from Box 3 at 8.47 A. M.; second alarm at 8.49 A. M., and third alarm at 9.55 A. M.; recall signal, 6.28 P. M. Eleven engines, four trucks and three chemical engines were in service. Loss, $11,742.31; insurance, $46,750.00.

May 1st—No. 1239 South Sharp street, a three-story brick and frame building, 40 by 125 feet, occupied by the Baltimore Cedar Works, manufacturers of cedar ware; the building and stock were badly damaged. The first alarm was receive at 8.58 P. M., and the second alarm at 9.01 P. M.; recall signal at 12.54 A. M., on May 2d. Nine engines and three trucks were in service. Loss, $14,581.90; insurance, $9,000.00.

July 1st—No. 1007 to 1019 North Eutaw street, extending back to Morris alley, a three-story brick building, 90 by 120 feet, occupied by Griffin & Manion, as a livery and boarding stable. The first story was used to keep carriages and wagons in; on the second floor was the stable, which contained 130 horses; eight of them were burned to death, the others were taken down safely. The third floor contained sixty-five carriages, which, with the harness, horse feed, and several tons of hay and straw stored there, was destroyed. The apparatus was hindered from getting into service at this fire by the sewer that was being constructed on Preston street, which obstructed the fire plugs, and made the street impassable. The first alarm was received from Box 35 at 1.06 A. M.; second alarm at 1.14 A. M., and third alarm at 1.19 A. M.; recall signal, 6.50 A. M. Nine engines, three trucks and three chemical engines were in service. Loss, $47,202.82; insurance, $44,050.00.

July 24th—Nos. 215, 217 and 219 West Lexington street, a four-story brick building, extending the entire length of the block to Marion street, occupied by Posner Brothers, dealers in white goods, laces, carpets, clothing, notions and house-furnishing goods. The fire originated among a lot of straw and grass in bins, near the rear end of the basement, which was used as the packing room; it spread over one-half of the room, and went up the inside of the elevator shaft, burning it to the third story, but did not get in the rooms. No damage was done above the basement except by smoke.

The first alarm was received from Box 418 at 5.09 P. M.; second alarm at 5.15 P. M., and the third alarm at 5.20 P. M.; recall signal at 6.55 P. M. Eight engines, four trucks and two chemical engines were in service. Loss, $23.047.18; insurance, $164,000.00.

October 12th—The steam propeller, John E. Taggart, belonging to the Maryland and Potomac Steamboat Company, while lying at the wharf of James Clark & Co., machine works, on the south side of the basin, caught fire in the after end of the boat. All the woodwork above the lower deck to the iron hull was burned. The first alarm was received from Box 714 at 3.09 A. M., and the second alarm at 3.19 A. M.; recall signal at 6.51 A. M. Four engines and two trucks were in service. Loss, $13.914.00; insurance, $25,000.00.

October 25th—No. 311 St. Paul street, a four-story brick building, 40 feet front and 128 feet deep, extending through the block to Courtland street, where it was five stories high. Occupied by Schneider & Fuchs, dealers and manufacturers of mouldings, mirrors and picture frames. The fire originated in rear part of third floor, used as the finishing room, spread up the stairway to the fourth and fifth stories, and burned off one-third of the roof. The building was stored with light and combustible material, and was divided up into small rooms, which, for some time, prevented the water from reaching to where the fire was burning. The first alarm was received from Box 32 at 10.34 P. M., second alarm at 10.37 P. M., and third alarm at 10.42

P. M.; recall signal at 2.50 A. M. on October 26th. Nine engines, four trucks and two chemical engines were in service. Loss, $21,620.59; insurance, $29,000.

November 23d—Southeast corner of Mill street and Chestnut alley, four-story brick and frame building, 60x90 feet, occupied as a flour mill. The fire originated on the third floor and extended to fourth floor and roof. There was considerable delay in sending in the alarm, caused by the watchman in charge of the Merchants and Miners' Steamship Pier refusing to allow their fire alarm box to be used. The first alarm was received at 6.35 A. M., and when the first apparatus arrived the two upper stories and roof were burning; at 6.43 A. M. a general alarm was sent out. The services of twelve engines and four hook and ladder companies were required; recall signal at 10.40 A. M. Insurance, $30,000.00; loss, $19,151.65.

December 25th—Nos. 221, 223, 227 and 229 North Charles street, a five-story brick building, with marble front, 93x130 feet, known as the Masonic Temple, and occupied on first floor as stores, on second and third floors by J. A. Forepaugh as a theatre, and on the other floors by the commanderies of the Masonic Order. There was a false ceiling above the theatre, which made a space from five to fifteen feet between it and the floor above, running the length and width of the part of the building used as a theatre. The fire started over the stage, between the false ceiling and floor above it, and spread rapidly through the building, burning out the

upper stories and the entire roof. The fire had been burning some time before the alarm was sent in. It was received at 12.35 P. M., and at 12.43 P. M., and 12.50 P. M., respectively, second and third alarms were sent out; recall signal at 10.38 P. M. The services of twelve engines, five hook and ladder and one chemical engine company were required. Loss, $; insurance, $.

BURNING OF GRAIN ELEVATOR AT LOWER CANTON, BALTIMORE COUNTY.

On Monday, January 13th, at 5.46 P. M., was informed by telephone that the grain elevator No. 3, owned by the Pennsylvania Railroad Company, and situated at lower Canton, a mile and a-half beyond the City boundary, was on fire; ten minutes later Box 186 was received; this box is in grain elevator No. 1 at the City boundary. Nos. 9 and 11 Engine Companies and No. 3 Truck Company were sent to the fire, and when they arrived the entire building, which was a frame structure 660 feet long, 100 feet wide, two and four stories high, built on piles extending into the water, was in flames. It contained 500,000 bushels of grain, (wheat and corn). The elevator was reached by a double track railroad over a trestlework 600 feet long, which connected it to the Northern Central Railroad. When the fire started the tracks were blocked with cars loaded with grain; four of them were burned, the others were taken away without being damaged. The streams from Nos. 9 and 11 Engines prevented the trestle from burning, and also kept the fire from spread-

ing to the building and wharf used for storing cotton-seed oil in. The engines were at work on this wharf drafting from the river. The British steamship "Sacrobosi," which was at the elevator loading grain, caught fire and was badly damaged; two of her crew were burned to death. Two other steamships, the "North Erin" and "Khio" had their sails burned. The engines were in service five hours. Loss, $534,279.52; insurance, $931,215.00.

In recognition of service rendered by the Department at this fire, the Pennsylvania Railroad Company sent their check for $300, which was given to the Firemen's Relief Association.

Fire Alarm Boxes where Second, Third and General Alarms were sent in from in 1890.

Box.	Where Located.	Date.	Second.	Third.	General.	Loss.	Insurance.
412	Baltimore and Hanover streets	January 13th	.....	.....	General	$44,546 39	$107,500 00
3	No. 4 Engine House	February 20th	Second	Third	.....	11,742 31	46,750 00
242	Madison and Forrest streets	April 1st	Second	.....	.....	2,063 40	1,200 00
624	Sharp and Cross streets	May 1st	Second	Third	.....	14,581 90	9,000 00
417	Portland and Greene streets	May 8th	Second	Third	.....	3,086 76	14,200 00
524	Charles and Barre streets	May 15th	Second	Third	.....	7,874 23	26,800 00
513	Lombard and Sharp streets	May 22d	Second	.....	.....	1,783 33	14,600 00
13	Pratt Street Bridge	May 24th	Second	.....	.....	1,061 97	3,600 00
517	Bayard and Ridgely streets	May 26th	Second	.....	.....	1,641 39	3,900 00
34	Eager street and Morton alley	June 25th	Second	.....	.....	331 32	1,500 00
35	Biddle and Garden streets	July 1st	Second	Third	.....	47,202 82	44,050 00
418	Lexington and Howard streets	July 24th	Second	Third	.....	23,047 18	164,000 00
43	Lombard and Penn streets	July 24th	Second	.....	.....	1,785 42	8,450 00
31	Calvert and Pleasant streets	September 10th	Second	.....	.....	1,215 87	13,750 00
252	Greenmount avenue and Preston st	September 27th	Second	Third	.....	6,085 13	27,500 00
714	Clement and Webster streets	October 12th	Second	.....	.....	13,772 00	125,000 00
32	St. Paul and Saratoga streets	October 25th	Second	Third	.....	21,620 59	29,000 00
136	Foot of Union Dock	November 23d	.....	.....	General	19,151 65	30,000 00
162	Thames and Wolfe streets	November 26th	Second	.....	.....	5,172 24	14,700 00
171	Chester street and Canton avenue	December 1st	Second	.....	.....	.....	.....
318	Charles and Barnet streets	December 25th	Second	Third	.....	.....	.....

TABLE A.

Showing the Number of Box Alarms by Districts for the year 1890.

Month.	East of Charles street.	West of Charles street.	Annexed District.	Total.
January	14	17	3	34
February	15	10	2	27
March	14	15	3	32
April	19	14	6	39
May	15	16	1	32
June	13	11	2	26
July	21	21	1	43
August	11	12	1	24
September	15	10	3.(Co. 1).	29
October	17	12	5	34
November	16	16	6	38
December	15	18	10	43
	185	172	43	1 401

There were 185 alarms from boxes in the eastern district, which comprises all that part of the City east of Charles street, from North avenue to Lee street, and 175 alarms from boxes in the western district, which comprises all that part of the City, from the centre of Charles street, from North avenue to the centre of Lee street, and around the water front to Gwynn's falls, and 43 alarms from boxes in the Annexed districts, which comprises the 21st and 22d Wards.

TABLE B.

Showing the Number of Times Engine Companies have responded to Fires and transferred to the housss of other Companies, the number of feet of Hose laid at Fires, and the working time of the Engines at Fires.

Companies.	Number of times Responded to Fires.	Number of times Transferred on Alarms.	Number of Feet of Hose laid at Fires.	Working Time of the Engines at Fires:	
				Hours.	Min.
No. 1 Engine Co....	108	.....	21,800	30	25
No. 2 Engine Co....	126	.....	34,350	83	10
No. 3 Engine Co....	120	.....	24,950	46	....
No. 4 Engine Co....	116	.....	18,200	32	35
No. 5 Engine Co....	101	53	25,500	55	4
No. 6 Engine Co....	131	2	27,200	41	....
No. 7 Engine Co....	111	5	27,000	45	6
No. 8 Engine Co....	123	44	24,000	61	30
No. 9 Engine Co....	139	42	26,400	30	30
No. 10 Engine Co....	138	20	25,250	76	35
No. 11 Engine Co....	66	60	9,500	18	30
No. 12 Engine Co....	108	50	11,400	37	25
No. 13 Engine Co....	76	30	21,400	53	30
No. 14 Engine Co....	58	78	15,000	59	....
No. 15 Engine Co....	64	.....	8,700	22	40
	1585	384	320650	693	

TABLE C.

Showing the Number of Alarms Monthly for the Year 1890.

Month.	Box Alarms.	Still Alarms.	Total.
January	34	18	52
February	27	15	42
March	32	19	51
April	39	13	52
May	32	14	46
June	26	12	38
July	43	18	61
August	24	26	50
September	29	16	45
October	34	9	43
November	38	16	54
December	43	17	60
	401	193	594

TABLE D.

Number of Fires on Each Day of the Week for the Year 1890.

Days.	Number of Fires.
Sunday	82
Monday	88
Tuesday	73
Wednesday	90
Thursday	111
Friday	74
Saturday	76
	594

FIRE EXTINGUISHERS.

The five-gallon fire extinguishers were used seven hundred and twenty-five (725) times, and the fifteen-gallon fire extinguishers that are carried on No. 1 and 2 Hayes' Trucks, were used two hundred and twenty-eight (228) times, having discharged seven thousand and forty-five (7,045) gallons of the solution at fires.

TABLE E.

Showing the Hours when Fires occurred each month during the year 1890.

MONTH.	From 12 o'clock midnight to 6 o'clock A. M.	From 6 o'clock A. M. to 12 o'clock noon.	From 12 o'clock noon to 6 o'clock P. M.	From 6 o'clock P. M. to 12 o'clock midn't.	Total.
January	6	9	16	21	52
February	9	11	9	13	42
March	9	12	13	17	51
April	8	16	12	16	52
May	8	10	13	15	46
June	10	11	11	6	38
July	10	14	25	12	61
August	6	12	15	17	50
September	2	15	10	18	45
October	9	12	12	10	43
November	8	15	17	14	54
December	12	14	13	21	60
	97	151	166	180	594

TABLE F.

Losses Monthly, year ending December 31st, 1890.

Month.	
January	$52,266 16
February	21,462 45
March	13,398 58
April	7,758 71
May	34,358 13
June	13,422 56
July	90,465 65
August	6,287 54
September	11,154 01
October	48,401 59
November	33,289 83
December	
Total	

TABLE G.

Showing the Number of Fire Alarm Boxes that each Company Responds to on the First, Second and Third Alarms.

Companies.	First Alarm.	Second Alarm.	Third Alarm.	Total Number of Boxes.
No. 1 Engine Company.....	52	132	39	223
No. 2 Engine Company.....	73	90	33	196
No. 3 Engine Company.....	61	76	60	197
No. 4 Engine Company.....	63	92	58	213
No. 5 Engine Company.....	59	39	104	202
No. 6 Engine Company..... ...	78	88	87	253
No. 7 Engine Company.....	83	135	44	262
No. 8 Engine Company.....	93	54	71	218
No. 9 Engine Company.....	84	34	55	173
No. 10 Engine Company.....	72	71	77	220
No. 11 Engine Company.....	40	24	4	68
No. 12 Engine Company.....	33	26	68	127
No. 13 Engine Company.....	65	49	40	154
No. 14 Engine Company.....	48	12	....	60
No. 15 Engine Company.....	50	62	....	112
No. 8 Chemical Engine Company..	79	1	....	80
No. 1 Hook and Ladder Company..	57	67	36	160
No. 2 Hook and Ladder Company..	72	108	23	203
No. 3 Hook and Ladder Company..	60	15	18	93
No. 4 Hook and Ladder Company..	68	63	52	183
No. 5 Hook and Ladder Company..	50	48	95	193
No. 6 Hook and Ladder Company..	46	58	32	136

TABLE H.

Showing the Loss by Fires in each district monthly, for which box alarms were sent out, and by silent fires.

Month.	Eastern District.	Western District.	Annexed Distr't.	Silent Fires.
January ..	$ 1,769 50	$ 49,392 91	$ 120 00	$ 983 00
February .	18,681 14	1,790 31	346 00	645 00
March	4,656 97	6,483 68	1,842 93	415 00
April.	5,892 35	1,358 71	144 75	362 90
May	2,321 59	31,471 54	260 00	305 00
June	2,753 02	9,924 79	276 75	468 00
July	7,063 47	83,134 18	62 00	206 00
August ...	2,391 75	629 15	2,710 64	556 00
September.	8,182 78	1,446 50	551 73	973 00
October...	28,029 70	18,159 39	2,067 50	145 00
November.	26,842 71	4,592 41	859 71	995 00
December.	.....	3,072 75	1,182 62	908 12
	.....	$211,456 32	$10,425 38	$6,962 02

TABLE I.

Showing the Number of Times the Hook and Ladder Companies have responded to fires and transferred to the houses of other Companies, the number of Ladders used at fires, and the time the Hook and Ladder Trucks were in service at fires.

Companies.	Number of Times Responded to Fires.	Number of Times Transferred on Alarms.	Number of Ladders Used at Fires.	Hook and Ladder in Service at Fires.	
				Hours.	Minutes.
No. 1 Hook and Ladder Co...	111	....	249	147	...
No. 2 Hook and Ladder Co...	124	1	152	163	30
No. 3 Hook and Ladder Co...	106	62	113	109	30
No. 4 Hook and Ladder Co...	82	85	112	134	....
No. 5 Hook and Ladder Co...	85	58	145	219	....
No. 6 Hook and Ladder Co...	92	18	196	203	....
	620	224	967	976	....

No. 8 Chemical Engine Company has responded to 153 fires, and used 86 tanks, amounting to 7,940 gallons.

HOISTWAYS AND OTHER OPENINGS IN FLOORS.

The lives of the members are endangered by hoistways and other openings in floors of buildings, which are frequently found without guards of any kind around them. There is an ordinance in regard to having guards around hoistways and openings in floors, but it is so worded that it cannot be enforced unless the building has been examined by the Inspector of Buildings, and a notice served on the owner or occupant by him. At several places where hoistways were found without guards around them, the occupants were summoned before a magistrate for violating the ordinance, but, after a hearing, the cases were dismissed. I would recommend that the section in the existing ordinance requiring the Inspector of Buildings to visit all these places, be stricken out, and that a penalty be made for any of these places that are left open and without proper guards around them, and as the Captains of all the Companies are required to visit buildings used for mercantile or manufacturing purposes in their districts, they would attend to seeing that the ordinance was enforced.

TO PROTECT THE HOSE WHEN LAID AT FIRES.

I would recommend that an ordinance be passed to protect the hose when laid at fires, by making it a penalty for any one to drive vehicles of any kind over the hose, as it is frequently injured from this cause by being cut and having the couplings mashed;

especially is this the case at large fires, where long lines of hose are required to be laid. The only ordinance now in existence, pertaining to this matter, is for maliciously injuring the property of the Fire Department.

FIRE PLUGS AND WATER MAINS.

An additional twelve (12) inch water main has been laid on Franklin, North, Bath, Holliday, Saratoga, Frederick, Second, German, Light and St. Paul streets, and a number of fire plugs put up, which will furnish an ample supply of water for this locality.

I repeat what has been stated in former reports in regard to the urgent necessity for a better supply of water for extinguishing fires in this section of the City. Along Boston street and south of it to the water line is closely built up with packing houses, factories, mills, storage warehouses, and there are a number of lumber and shipyards; from Chester street to Clinton street, a space of more than a mile in length, there are not more than ten (10) fire plugs, and but few places where the engines can get to draft water from the river without difficulty. There should be a large water main laid near Boston street, and fire plugs placed on it not more than three hundred feet apart, as the engines can get to work much quicker and perform better service at the fire plugs than when drafting water from the river, as the salt water causes the boilers to foam and lose steam, and also injures the boilers.

In the southwestern section of the City, west of Eutaw street and south of West street, there is a large amount of property, including glass factories, breweries, storage buildings, lumber yards, and a distillery, with three large warehouses near and used by it; there is only one small water pipe to supply this locality. The water supply should be increased so as to afford protection to the property in this section. During the past year 60 fire plugs were put up, increasing the number now in service to 1289.

Respectfully submitted,

JOHN M. HENNICK,

Chief Engineer.

LOCATION OF COMPANIES

— AND —

COMPANIES' SUPPLIES.

ENGINE COMPANY No. 1.

Located on Paca street, north of Fayette street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
William C. McAfee	26	Captain	2 yrs. 10 mo	109 E. Townsend st.	Plumber
Charles E. Freburger	43	Engineman.	15 years	111 Pearl street	Machinist
John W. Eckhardt	27	Ass't Eng'n	4 months.	521 Columbia avenue	Machinist
Louis J. Fresch	47	Driver	19 years	3 Pearl street	Driver
Edward R. Addison	43	Fireman	16 "	402 Pearl street	Machinist
George W. Minton	29	"	5 "	659 W. Mulberry st.	Packer
Members at Call.					*Occupation.*
Jacob H. Hayward	67	Fireman	28 years.	631 W. Fayette st.	Painter
Albert Oelmann	25	"	2½ "	325 W. German st.	Blacksmith
Wm. H. C. Laughlin	45	"	2 yrs. 3 mo.	907 W. Mulberry st.	Huckster
Emil Heise	30	"	9 months.	817 E. Fayette street.	Packer
Herman F. Bichy	32	"	9 "	626 W. Saratoga st.	Clerk
Edward F. Kelly	32	"	3 "	310 Bartlett street	Paver

ENGINE COMPANY No. 2.

Located on Barre street, west of Sharp street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
John J. Ledden	40	Captain	13 years	546 W. Barre street	Clerk
Thomas E. Wheatley	50	Engineman.	22 "	646 W. Lee street	Machinist
Daniel H. Weber	30	Ass't Eng'n	18 months.	213 W. Barre street	Machinist
Louis Abel	38	Driver	4 years	821 L. Greene street.	Baker
Henry C. Hammel	37	Fireman	4 "	113 W. Hill street	Plumber
Wm. Eckert	32	"	3 yrs 8 mo	715 L. Greene street.	Brushmaker
Members at Call.					*Occupation.*
James Humes	47	Fireman	22 years	137 W. Lee street	Glasscutter
Charles Romoser, Sr	53	"	21 "	608 S. Sharp street	Plumber
John E. Boyd	39	"	2 yrs 8 mo	738 Columbia avenue.	Driver
Charles Romoser, Jr	29	"	19 months.	507 S. Howard street.	Plumber
Frank Hines	26	"	9 "	1109 Race street	Tinner
Maurice C. Bollman	25	"	2 "	715 S. Fremont st.	Painter

ENGINE COMPANY No. 3.

Located on East Lombard street, near High street.

Names.	Age.	Position.	Time in Service.	Residence.	Former Occupation.
Permanent Employees.					
Richard A. Lindsay	47	Captain	19 years	919 Stiles street	Paperhanger
Patrick F. Moriarty	40	Engineman.	16 "	910 E. Lombard st.	Machinist
Thos. G. Huth	23	Ass't Eng'n	8 months.	1901 Orleans street	Machinist
John F. Peerce	47	Driver	15 years	407 N. Front street	Baker
Benjamin Price	46	Fireman	11 "	124 S. Bond street	Coffeeroaster
Thos. B. Campbell	28	"	1 "	145 N. Front street	Clerk
Members at Call.					*Occupation.*
James L. Lindsay	49	Fireman	12 years	230 S. Exeter street	Paperhanger
G. Louis Schlimm	30	"	2⅔ "	313 S. Exeter street	Boxmaker
Herman Fumbaugh	34	"	2⅔ "	1408 Gough street	Driver
Thos. Howard	44	"	2⅔ "	1064 Granby street	Printer
Robert H. Dougherty	34	"	2 "	231 S. Caroline st.	Undertaker
August Schlimm	24	"	9 months	1010 Eastern avenue	Driver

ENGINE COMPANY No. 4.

Located on Lexington street, west of North street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Geo. W. Horton	45	Captain	29 years.	404 Colvin street	Wireworker
John Gaffney	35	Engineman.	14 "	1110 Clifton Place	Machinist
John Prenger	37	Ass't Eng'n	8 months.	1411 Hull street	Machinist
Andrew J. Connelly	35	Driver	11 years.	411 Pine street	Driver
Hy. Bierman	28	Fireman	4 "	418 W. Mulberry st.	Stonecutter
Constant Seibert	39	"	9 "	1101 Laurel street	Hostler
Members at Call.					*Occupation.*
G. W. Bentz	50	Fireman	22 years.	413 W. Lexington st.	Mess. to Com'rs
James Allen	44	"	18 "	610 W. Barre street	Printer
E. W. Schultz	38	"	12 "	1347 Holland street	Tinner
Joseph Daily	38	"	10 "	14 Watson street	Stonecutter
Wilmer West	47	"	21 "	524 N. High street	Tinner
James Burke	39	"	7 "	600 Ensor street	Moroccofinisher

ENGINE COMPANY No. 5.

Located on Ann street, near Gough street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Andrew W. German...	41	Captain....	19 years...	221 S. Ann street....	Painter
Frederick L. Nelson...	43	Engineman.	16 " ...	404 S. Ann street....	Machinist
John N. Bletzer.....	27	Ass't Eng'n	2 " ...	1913 Canton avenue..	Machinist
Henry Murphy.....	39	Hostler....	11 " ...	420 S. Wolf street...	Sugar Refiner
William B. Baker.....	33	Fireman ...	9 " ...	208 S. Ann street....	Brass Finisher
Henry R. Seippel.....	41	" ...	16 " ...	1637 E. Pratt street..	Barber
Members at Call.					*Occupation.*
William G. Miller.....	67	Fireman ...	22 years...	1627 Gough street ...	House Carpenter
William T. Disney	41	" ...	16 " ...	252 S. Ann street....	Bricklayer
Charles E. De Witt....	40	" ...	6 " ...	2013 E. Lombard st..	Carpenter
James T. Pearl.....	34	" ...	4 " ...	245 S. Washington st.	Tobacco Worker
John H. Reitz.....	28	" ...	3 " ...	1841 E. Lombard st..	Merchant
John G. Baker.....	41	" ...	3 " ...	1422 Gough street...	Canmaker

ENGINE COMPANY No. 6.

Corner of Gay and Ensor streets.

Names.	Age.	Position.	Time in Service.	Residence.	Former Occupation.
Permanent Employees.					
Rich. V. Pittinger.....	42	Captain....	11 years...	402 Aisquith street..	Carpenter
Matthew Mulligan.....	52	Engineman.	20 " ...	1027 Valley street...	Machinist
Thomas F. Sexton.....	36	Ass't Eng'n	2 yrs 6 mo	936 E. Monument st.	Machinist
John Clark	38	Driver.....	6 years...	158 N. High street...	Hostler
Lawrence Blake.....	45	Fireman ...	19 " ...	817 N. Gay street....	Painter
Benjamin Seipp.....	37	" ...	10 " ...	1429 Orleans street ..	Plumber
Members at Call.					*Occupation.*
George Mineburg.....	48	Fireman ...	19 years...	218 N. Central ave...	Barber
James Gallagher	41	" ...	10 " ...	231 N. Exeter street.	Plumber
Charles Betz.....	37	" ...	6 " ...	426 Colvin street.....	Shoemaker
F. C. H. Berger	34	" ...	5 " . .	517 Ensor street.....	Saloonkeeper
Samuel McClaskey	43	" ...	4 " ...	408 E. Monument st.	Plasterer

ENGINE COMPANY No. 7.

Corner of Eutaw street and Druid Hill avenue.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
William F. Morrow....	41	Captain....	13 years...	726 N. Eutaw street..	Moulder
Jacob S. Corns.....	38	Engineman.	12 " ...	729 N. Eutaw street..	Machinist
Thomas S. Brown.....	31	Ass't Eng'n	4 yrs 5 mo	1342 Division street..	Machinist
Frank B. Hart.....	41	Driver.....	5 years...	313 Mulberry street..	Hostler
Samuel A. Seymour....	30	Fireman ...	5 " ...	503 N. Paca street...	Canmaker
John J. Houck.....	40	" ...	11 " ...	915 Madison avenue.	Machinist
Members at Call.					*Occupation.*
Louis B. Schieve	38	Fireman ...	18 years...	503 N. Paca street...	Paperhanger
William F. Dopp.....	31	" ...	14 months,	407 Paca street.....	Upholsterer
Charles A. Soistmann..	37	" ...	10 " .	610 Chestnut alley...	Drum Maker
Thomas G. Starr.....	39	" ...	8 " .	703 Pennsylvania ave	Clerk
William F. Clark.....	29	" ...	7 " .	825 S. Paca street...	Clerk

ENGINE COMPANY No. 8.

Located on Mulberry street, east of Arlington avenue.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
A. J. Walter	53	Captain	19 years	1020 Saratoga street.	Cigarmaker
Thos. H. Mewshaw	34	Engineman.	6 "	636 W. Saratoga st.	Machinist
Martin J. Hesmer	44	Ass't Eng'n	5 months.	814 Mulberry street.	Machinist
W. J. Stewart	40	Driver	15 years	424 Arlington avenue	Tinner
G. B. Chapman	58	Fireman	19 "	905 Mulberry street.	Shoemaker
Members at Call.					*Occupation.*
Frederick Johnston	47	Fireman	15 years	1010 Mulberry street.	Carpenter
Charles Airey	39	"	6 "	419 Schroeder street.	Cigarmaker
Morris Rosenthal	29	"	3½ "	1517 W. Baltimore st	Paperhanger
J. F. Rupp	33	"	2½ "	118 S. Gilmor street.	Plasterer
James McGlennan	31	"	1½ "	895 W. Lombard st.	Moulder
John Krauss	31	"	1½ "	1321 N. Carey street.	Tinner

ENGINE COMPANY No. 9.

Located on Madison street, east of Broadway.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
David H. Macaulay..	64	Captain....	30 years...	1211 N. Eden street..	Painter
Daniel R. Rogers.....	44	Engineman.	19 " ...	1706 E. Madison st..	Machinist
William H. Stanton...	42	Ass't Eng'n	13 " ...	1231 N. Broadway...	Machinist
William B. Baker.....	33	Driver.....	10 " ...	803 N. Wolfe street.	Laborer
James McDevitt.....	48	Fireman ...	19 " ...	1705 E. Madison st..	Harnessmaker
William H. Cuddy....	33	" ...	2½ " ...	1637 E. Madison st..	Driver
Members at Call.					*Occupation.*
Solomon Uhlfelder.....	47	Fireman ...	19 years...	1914 E. Madison st..	Huckster
Charles Fry.....	38	" ...	14 " ...	224 N. Front street.	Huckster
John H. Cruse	58	" ...	11 " ...	809 Ensor street....	Cigarmaker
Charles C. Neilson....	37	" ...	12 " ...	1813 E. Madison st..	Bricklayer
Henry S. Abell.....	34	" ...	2 months.	516 Aisquith street.	Rigger

ENGINE COMPANY No. 10.

Located on Columbia avenue, near Poppleton street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
William R. Ward	46	Captain	19 years	124 S. Calhoun st.	Carpenter
John W. Walsh	41	Engineman.	15 "	1115 W. Baltimore st.	Machinist
James W. Nugent	34	Ass't Eng'n	7 "	417 S. Poppleton st.	Machinist
George W. Thorpe	40	Driver	10 "	832 W. Pratt street.	Hostler
Justice G. Keilholtz	45	Fireman	17 "	896 W. Lombard st.	Mantel Setter
Members at Call.					*Occupation.*
Samuel W. Marker	40	Fireman	10 years	206 Arlington ave.	Carpenter
Jacob J. Brady	31	"	5 "	922 Columbia ave.	Cigarmaker
James Scott	36	"	5 "	808 Columbia ave.	Trunkmaker
Henry Zachmen	37	"	2 yrs 6 mo	740 Hamburg street.	Cigarmaker
William Power	31	"	3 years	1610 Hanover street.	Painter
George W. Smith	33	"	8 months.	304 Parkin street	Plumber

ENGINE COMPANY No. 11.

Located on Eastern Avenue, corner Patterson Park avenue.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Michael A. Lind	29	Captain	4 years	505 S. Pat'son Pk ave	Coach Painter
John Calder	44	Engineman.	20 "	422 S. Pat'son Pk ave	Machinist
John Lindemann	43	Ass't Eng'n	2 "	2036 Bank street	Machinist
Lewis Battee	29	Driver	4 "	620 S. Burke street	Paperhanger
Joshua H. Miller	34	Fireman	5 "	2338 Canton avenue	Cigarmaker
Members at Call.					*Occupation.*
Albert H. Geir	36	Fireman	12 years	126 S. Chapel street	Painter
George Croucher	29	"	3 "	512 S. Collington ave.	Canmaker
John Koos	28	"	3 "	2316 Canton avenue	Canmaker
George Shipley	33	"	1 "	515 S. Pat'son Pk ave	Gilder
Benjamin V. Beyer	32	"	1 "	503 S. Pat'son Pk ave	Laborer
Charles Rosenthal	32	"	3 months.	512 S. Collington ave.	Carpenter

ENGINE COMPANY No. 12.

Located on Fort avenue, corner of Johnson street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Location.
Permanent Employees.					
Thomas Fitzpatrick....	54	Captain....	11 years...	137 Fort avenue....	Tinner
Michael Lycett.....	44	Engineman.	18 " ...	1417 Battery avenue.	Machinist
Thomas S. Atkinson...	41	Ass't Eng'n	10 " ...	1423 Henry street....	Machinist
Joseph W. Moon	40	Driver.....	12 " ...	416 Fort avenue....	Driver
Edward C. Klessell....	38	Fireman ...	9 " ...	1442 Johnson street..	Gilder
George Stegman.....	30	" ...	4 " ...	1517 William street..	Laborer
Members at Call.					*Occupation.*
James Catterton.....	43	Fireman ...	4 years...	1460 William street..	Painter
Thomas Voyce	31	" ...	21 months.	542 Fort avenue....	Boilermaker
Wm. T. A. Kirwin	34	" ...	18 " .	10 W. Fort avenue.	Tinner
John W. Ruppert.....	31	" ...	14 " .	128 Weber street...	Can Capper
Peter McGonigle	30	" ...	1 year....	406 E. Fort avenue.	Cotton Inspector

ENGINE COMPANY No. 13.

Located at the intersection of Fremont street and Myrtle avenue.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
John Hoffman	43	Captain	14 years	1512 Argyle avenue	Canmaker
John H. Deal	48	Engineman.	19 "	1519 Myrtle avenue	Machinist
John A. Bannon	47	Ass't Eng'n	13 "	1117 Riggs avenue	Machinist
Thomas H. Wright	36	Driver	6 "	1608 Mulberry street.	Driver
Lawrence Pistel	41	Fireman	18 "	1544 Argyle avenue	Cigarmaker
Members at Call.					*Occupation.*
Philip Bowen	39	Fireman	13 years	1112 Pennsylvania av.	Cigarmaker
Wilbur Peirce	33	"	7 "	1614 Argyle avenue	Moulder
James Keyser	47	"	7 "	658 Pitcher street	China Packer
Lee Conn	29	"	4 "	1328 Woodyear st	Driver
William Lynch	25	"	2 "	1433 Fremont avenue.	Carpenter
William R. La Shone	44	"	18 "	1009 Carrollton ave	Upholsterer

ENGINE COMPANY No. 14.

Located on Hollins street, west of Monroe street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Wm. H. Dunn	39	Captain	15 years	1839 W. Baltimore st.	Hostler
Sam'l W. Stansbury	39	Engineman.	16 "	1925 W. Baltimore st.	Machinist
John Conway	35	Ass't Eng'n	8 "	1630 McHenry street.	Machinist
J. Oscar Healey	55	Hostler	30 "	1710 W. Fayette st.	Carpenter
C. Allen Orem	40	Fireman	9 "	1905 Frederick ave.	Painter
Philip L. Brady	28	"	4 "	117 S. Payson st.	Ironworker
Members at Call.					*Occupation.*
Howard Scott	38	Fireman	15 years	1926 Hollins street.	Bricklayer
James B. Baldwin	35	"	5 "	1827 Frederick ave.	Canmaker
Geo. A. Wright	33	"	8 months.	1913 W. Lombard st.	Painter
Chas. H. Baker	38	"	11 years	1928 Hollins street.	Scalemaker
Jas. P. Dillon	29	"	3 months.	828 Ramsay street.	Hostler

ENGINE COMPANY No. 15.

Located on Lombard street, between Eutaw and Howard streets.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Frank K. Conway	39	Captain	18 years	647 W. German st.	Machinist
Thos. H. Humphreys	49	Engineman.	18 "	306 S. Paca street	Machinist
Wm. F. Awalt	30	Ass't Eng'n	9 months.	834 W. Saratoga st.	Machinist
Mark Hill	38	Hostler	9 "	646 W. Fayette st.	Tinner
Harry L. Wynn	24	Fireman	9 "	832 W. Lombard st.	Paperhanger
John B. Bortell	25	"	2 years	1006 Granby street	Rigger
Frank Sherwood	32	"	9 months.	38 S. Eutaw street	Clerk
Herman Schiminger	36	"	9 "	254 Rock street	Driver
J. Thos. Dunn	29	"	9 "	1137 W. Baltimore st.	Iron Moulder
Jas. B. Meehan	28	"	9 "	285 N. Front street	Clerk
Leon A. Talbott	27	"	9 "	427 S. Paca street	Clerk
Frank Miller	29	"	3 "	907 Ryan street	Iron Moulder

HOOK AND LADDER COMPANY No. 1.

Located on Harrison street, near Fayette street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Albert Cassedy	29	Captain	7 years	202 N. Front street	Advertising Ag't
August Emerick	28	Tillerman	7 "	1136 Laurel street	Coal Dealer
George W. Cassedy	32	As't Tiller'n	3 "	177 N. Front street	Paperhanger
John T. Mulligan	30	Driver	7 "	128 S. Exeter street	Driver
Cooper Elliott	36	Ladderman	3 "	1414 E. Lombard st	Driver
John T. Harney	44	"	4 "	143 N. Front street	Excavator
Martin Kirby	45	"	9 "	1305 E. Lombard st	Trunkmaker
Members at Call.					*Occupation.*
Frederick Oelmann, Jr.	34	Ladderman	9 years	14 N. Front street	Blacksmith
Thomas B. Strahan	46	"	10 "	1209 Jackson street	Currier
William H. Hartman	34	"	8 "	1001 E. Lombard st	Plumber
Thomas Kerr	27	"	18 months	1007 Valley street	Clerk
Robert Edwards	28	"	1 "	30 Albemarle street	Stereotyper

HOOK AND LADDER COMPANY No. 2.

Located on Paca street, near Fayette street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Frederick Brannan....	41	Captain....	11 years...	110 Pearl street	Harnessmaker
Charles Rolf.....	35	Tillerman..	12 " ...	110 N. Paca street...	Boxmaker
John W. Blake	54	As't Tiller'n	20 " ...	212 N. Paca street...	Machinist
Thomas Montgomery ..	49	Driver.....	20 " ...	119 N. Paca street...	Driver
William Thomas.....	30	Ladderman	3½ " ...	313 Pearl street	Wood Turner
Charles W. Stuart.....	25	"	3 " ...	212 N. Paca street...	Clerk
Joseph Lavender.....	43	"	18 " ...	245 Pearl street.....	Carpenter
Members at Call.					*Occupation.*
J. Frederick Schaefer..	53	Ladderman	12½ years..	13 N. Fremont ave...	China Packer
John M. Frederick	28	"	2½ " ..	1505 Mullikin street.	Shoemaker
Robert M. Brown.....	27	"	2½ " ..	709 Hamburg street..	Stove Moulder
John W. Kelly.....	29	"	4 " ..	1107 Pennsylvania ave	Driver
William A. Meushaw..	38	"	4 " ..	402 N. Pearl street ..	Mariner

HOOK AND LADDER COMPANY No. 3.

Located on South Ann street, near Gough street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
George W. Foxwell....	44	Captain....	20 years ..	1911 Bank street	Shipwright
Louis Laux.....	34	Tillerman..	11 " ...	211 N. Ann street...	Confectioner
John M. Douns	42	As't Tiller'n	20 " ...	2021 E. Fayette st...	Painter
John Croucher.....	30	Driver.....	3 " ...	515 S. Ann street....	Hostler
John McClellan.....	56	Ladderman	20 " ...	1720 Fairmount ave..	Sailmaker
George Little.....	48	"	6 " ...	261 S. Ann street....	Painter
Peter Nelson.....	32	"	1 " ...	1729 Gough street ...	Seaman
Members at Call.					*Occupation.*
John A. Sauer	42	Ladderman	11 years...	322 S. Eden street...	Cooper
John R. Battee.....	40	"	17 " ...	1422 E. Lombard st..	Bricklayer
Wilton B. Clarke.....	29	"	4 " ...	21 S. Bond street....	Feed Dealer
James H. Reilly.....	38	"	11 " ...	1626 E. Lombard st..	Painter
Joseph P. Kelly.....	47	"	8 " ...	904 Fawn street	Hostler

HOOK AND LADDER COMPANY No. 4.

Located on Biddle street, near Druid Hill avenue.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Andrew Bilson	39	Captain	10 years	633 W. Lanvale st	Plasterer
William White	45	Tillerman	22 "	918 George street	Carpenter
John J. Gill	60	As't Tiller'n	31 "	631 W. Fayette st	Painter
James B. Kelley	32	Driver	4 "	1116 Etting street	Driver
John H. Morgan	40	Ladderman	18 "	226 Pearl street	Paperhanger
Patrick Burns	40	"	7 "	1223 Pennsylv'nia ave	Laborer
John R. Farr	42	"	2 "	110 Paca street	Driver
Members at Call.					*Occupation.*
George W. Allen	46	Ladderman	7 years	1120 Etting street	Painter
John Kurne	31	"	4 "	415 W. Hoffman st	Shoemaker
Samuel C. Eichelberger	26	"	8 months	500 Clinton avenue	Painter
Jacob A. Wisong	32	"	9 "	922 Argyle avenue	Painter
William F. Clabaugh	43	"	1 "	1617 Argyle avenue	Painter

HOOK AND LADDER COMPANY No. 5.

Located on Aisquith street, near Oliver street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Thomas J. Strahler....	31	Captain....	10 years...	1320 Ensor street....	Tinner
George W. Haskell....	45	Tillerman..	14 " ...	1318 Holland avenue.	Carpenter
William Quinn.....	40	As't Tiller'n	4 " ...	1404 Holbrook street.	Driver
William H. Ryan.....	27	Driver.....	4 " ...	High and Hillen sts..	Driver
William T. Johns.....	36	Ladderman	3 " ...	1514 Harford avenue.	Bricklayer
William Wiley.....	48	"	3 " ...	1308 Harford avenue.	Cigarmaker
James H. Murray	27	"	7 months.	328 E. Hamburg st..	Laborer
Members at Call.					*Occupation.*
William H. Riley.....	44	Ladderman	7 years...	1316 Valley street ...	Painter
Benjamin Fry.....	31	"	3 " ...	214 N. Front street.	Driver
William Van Rossum..	43	"	6 " ...	1719 Aisquith street.	Driver
Frank L. Creamer.....	27	"	9 months..	1407 Ensor street....	Carpenter
John Sullivan.....	27	"	1 " ..	902 Chew street.....	Painter

HOOK AND LADDER COMPANY No. 6.

Located on Hanover street, corner of Ostend street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Permanent Employees.					
Wm. A. Larkins	27	Captain	5 years	1311 Hanover street	Carpenter
Thos. D. O'Keefe	25	Tillerman	3 "	1343 S. Charles st.	Driver
Antone Kemp	41	As't Tiller'n	3 "	34 E. West street	Driver
Geo. D. Taylor	57	Driver	21 "	1628 S. Charles st.	Driver
Wm. F. Beall	30	Ladderman	4 "	1112 Hanover street	Canmaker
James Gill	45	"	9 "	8 E. West street	Moulder
Alfred Squires	48	"	18 "	1732 Hanover street	Carpenter
Members at Call.					*Occupation.*
Chas. E. Causey	37	Ladderman	13 years	9 W. Clement st.	Canmaker
Wm. E. Burrier	38	"	10 "	19 W. West street	Huckster
Fred'k Beck	35	"	1 "	1109 S. Sharp street	Photographer
Dan'l Vogelgesang	33	"	8 months	1023 Compton street	Canmaker
Albert McKenthum	25	"	2 "	1629 S. Charles st.	Hostler

CHEMICAL COMPANIES—ANNEX.

Name.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
William M. Dunn.....	34	Superint'nt	14 years..	722 Gorsuch av., Wav	Plumber

CHEMICAL ENGINE COMPANY No. 1.

Brunswick Street, near Frederick Road.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Edward W. Steinacher.	30	Captain....	7 years ..	16 Loudon avenue..	Lumber Marker
Michael Farley.....	36	Hostler....	2 " ..	15 Loudon avenue..	Driver
Antone Yienger.....	26	Houseman .	1 year ..	110 Millington ave...	Candymaker

CHEMICAL ENGINE COMPANY No. 2.

Mary, near Retreat street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
James H. Merrick.....	50	Captain....	9 years....	134 Mary street.....	Car Driver
James K. Merriken....	29	Hostler	3 "	223 Frances street ...	Driver
James R. White	30	Houseman .	3 "	109 Mary street.....	Car Driver

CHEMICAL ENGINE COMPANY No. 3.

Fifth street, near Charles.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Ralph S. Ferguson....	35	Captain....	2 years....	416 Waverly avenue.	Car Driver
John W. Potts.....	33	Hostler	3 "	3 Cottage avenue	Engineer
Robert P. McFarland..	24	Houseman .	2 "	183 Falls road.....	Car Driver

CHEMICAL ENGINE COMPANY No. 4.

Waverly.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
William H. Taylor	49	Captain	9 years	410 Waverly avenue	Conveyancer
Owen McGreevey	33	Hostler	3 "	409 Calvin avenue	Driver
Edward B. Green	33	Houseman	1 year	1009 York road	Boilermaker
James Hart	35	Houseman	1 "	122 Old York road	Carpenter

CHEMICAL ENGINE COMPANY No. 5.

Homestead.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
John F. Mackenzie	43	Captain	2 years	35 Gorsuch avenue	Car Driver
John F. Myers	38	Hostler	6 "	27 Gorsuch avenue	Car Driver
John Lachmann	40	Houseman	3 "	32 Jackson street	Butcher

CHEMICAL ENGINE COMPANY No. 6.

Belair Avenue.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Frank Maher	35	Captain	6 years	41 Belair avenue	Cellar Digger
Andrew J. McCormick	31	Hostler	2 "	North avenue	Car Driver
Elijah G. Kipp	37	Houseman	2 "	43 Belair avenue	Carpenter

CHEMICAL ENGINE COMPANY No. 7.

Roland and Third avenues, Hampden.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Joseph P. Morris	30	Captain	5 years	215 Roland avenue	Blacksmith
James J. Reynolds	32	Hostler	2 "	213 Roland avenue	Car Driver
James L. Clarken	32	Houseman	3 "	226 Hickory avenue	Blacksmith

CHEMICAL ENGINE COMPANY No. 8.

Located at No. 15 Steam Engine Company, Lombard street, west of Howard street.

Permanent Employees.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Fielding H. Lucas.....	39	Captain....	10 years...	1523 N. Eden street..	Type Moulder
Z. Taylor Seabreeze....	45	Hostler....	9 months..	314 W. Lombard st.	Driver
William F. Pasterfield.	36	Fireman ...	9 years....	904 Granby street ..	Plumber

No. 7 TRUCK.

Waverly.

Name.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Levin H. Burkhardt...	23	Hostler	2 months..	1252 Barclay street..	Carpenter

No. 8 TRUCK.

Brunswick Street, near Frederick Road.

Name.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
John L. Durham	28	Hostler	2 years ..	139 Millington ave...	Plumber

No. 9 TRUCK.

Roland and Third Avenues, Hampden.

Name.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
William H. Camel.....	31	Hostler	2 years..	Roland avenue.....	Well Digger

FIRE RECORD.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1890.

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. Cos.	STYLE OF BUILDING.	REMARKS.
January.										
Wednesday 1	237	.....	5.40	507 W. Chester street.	W. H. Schartz....	Dwelling.....	.....	.....	Two-story brick..	Loss $63; recall 5.58 p. m.; lighted candles on Christmas tree; extinguisher 9 Engine and 3 H. and L. Cos.
Thursday 2	173	.....	4.02	705 Rose street.....	Henry Kriss.....	Dwelling.....	.....	.....	Two-story brick..	Loss $143; recall 4.20 p. m.; children playing with matches; extinguisher 11 Engine and 3 H. and L. Cos.
Sunday 5	182	.....	5.27	841 Burke street.....	C. Kreiss.....	Grocery store and dwelling.	.....	.....	Three-story brick	Loss $59 85; recall 5.55 p. m.; heat from chimney; extinguisher 11 Engine and 3 H. and L. Cos.
Sunday 5	293	.....	7.35	Windermere ave. and York road; "annex."	Presbyterian Congregation.	Church; Wm. Cumming, Pastor	4 Chemical.	.....	One-story frame..	Loss $10; recall 8.05 p. m.; falling of coal-oil lamp.
Sunday 5	425	.....	7.50	830 W. Baltimore st...	G. S. Griffith.....	Cigar store and dwelling.	.....	2.....	Three-story brick.	Loss $65.25; recall 8.07 p. m.; lighted candle falling on bed; extinguisher 1,8 and 14 Engine Cos.
Monday 6	412	.....	11.14	111 W. Baltimore st...	Johnson, Boyd & Co.	Dry goods and notion store	1, 2, 3, 4, 7, 8, 10, 13.	1, 2, 3, 4.	Four-story brick.	Loss $44,546.39; recall Jan. 7, 2.16 a. m.; overheated furnace.
General alarm	.....	.....	.....	.....						

Wednesday	8	342	7.20	.....	20 E. Preston street..	Samuel Jones....	Dwelling.....	.....	4.....	Three-story brick.	Loss none; recall 7 40 a. m.; foul chimney.
Wednesday	8	13	.....	4.13	220 W. Falls avenue..	W. F: Jackson & Co.	Lumber-yard stable.	3.....	1.....	Two-story frame..	Loss $10; recall 4.37 p. m.; sparks from chimney adjoining.
Wednesday	8	352	.....	7.05	1501 Eutaw Place.....	Samuel Snowden.	Dwelling.....	.....	4.....	Three-story brick.	Loss $488.83; recall 7. 23 p m.; gas jet set fire to curtains.
Wednesday	8	613	.....	11.52	801 Covington street..	R. Ellenger.....	Dwelling.....	.....	6.....	Two-story brick..	Loss $15; recall Jan. 9,12.07a.m.;over stove.
Thursday	9	65	3.59	.....	Race and Wells sts..	Thomas Nolan... Slingluff & Co.	Stable .... Fertz'r. Fct'y.	2, 12..... 8 Chemical.	2, 6...	One-story frame..	Loss $434.40; recall 5. 37 a. m.; unknown.
Thursday	9	561	4.19	.....	This box was pulled	for above.....	named	fire.....	.....	One-story frame..	Loss none; recall 4.51 a. m.
Thursday	9	519	.....	1109½	Ostend and Russell sts	Matthai & Co....	Wooden box factory	2.....	6.....	One-story frame..	Loss $5; recall 11.50 p. m; supposed by sparks from furnace.
Saturday	11	523	5.32	.....	Camden street.....	B. & O. R. R. Co.	Restaurant...	8 Chemical.	.....	Three-story brick.	Loss $30; recall 5.47 a. m.; gas jet set fire to woodwork.
Saturday	11	391	11.18	.....	N. E. cor. Mary and Retreat sts., annex.	August Snyder...	Smoke-house.	2 Chemical.	4.....	Two-story brick..	Loss $90.75; recall 11. 50 a. m ; meat taking fire.
Monday	13	382	.....	10.05	2010 Madison ave., in in the rear.	Not occupied.....	.....	13, 2 Chemical.	4.....	Two-story frame..	Loss $95; recall 10.45 p. m.; incendiary.
Monday	13	186	.....	5.56½	Lower Canton, Baltimore county.	Baltimore Elevator Co.	Grain elevator No. 3.	9, 11.....	3.....	Frame building 628 by 50 ft.	Loss none; recall 10. 48 p. m.; unknown.
Saturday	18	143	.....	4.49⅓	216 S. Spring street...	James McNeal....	Dwelling.....	.....	3.....	Two-story brick..	Loss $45; recall 5.12 p. m.; children playing with matches; extinguisher 3 5 and 11 Engine Cos.
Tuesday	21	238	.....	6.47	1420 Anthony street..	J. Schlinn.....	Dwelling.....	.....	.....	Three-story brick.	Loss $80.20; recall 7.02 p. m.; falling of a coal-oil lamp; ext-ing'r.9 Engine and 5 H. and L. Cos.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1890.

DATE.		BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. COS.	STYLE OF BUILDING.	REMARKS
Tuesday	21	419	.....	1151½	417 N. Eutaw street..	J. M. King.....	Shoe store and dwelling.	.....	.....	Three-story brick.	Loss $192.20; recall, Jan. 22, 12.08 a. m.; overh'td stove; ext. 1 and 7 En. and 2 H. and L. Cos.
Wednesday	22	526	3.09	.....	211 W. Camden street.	Wm. Rebner.....	Saloon and Dwelling.	.....	.....	Three-story brick.	Loss $111; recall 3.19 a. m.; unknown; extinguisher 2 Engine Co.
Thursday	23	41	11.59	.....	14 St Paul street.....	A. H. Fetting....	Jewelry m'ft..	4, 8 Chemical.	1.....	Three.story brick.	Loss $68; recall 12.20 p. m.; electric-light wire set fire to woodwork.
Thursday	23	318	.....	5.20	3 W. Saratoga street..	J. B. McElvoy....	Trunk m'ft...	.....	.....	Three-story brick.	Loss none; recall 5.30 p. m.; smoke worked through the roof.
Thursday	23	12	.....	6.31	S. E. cor. Gay and Baltimore streets.	Wright & McLean	Printing office	3, 4.....	1, 2...	Four-story brick.	Loss $589.74; recall 8.35 p. m.; heat from boiler.
Friday	24	216	.....	9.40	514 Aisquith street....	F. Trottenberg...	Dwelling.....	6.....	1, 5...	Three-story brick.	Loss $452.60; recall 10.22 p. m.; unknown.
Saturday	25	8	.....	6.40	1120 Decatur street....	Aug. Lampley....	Dwelling.....	.....	6.....	Two-story brick..	Loss $25; recall 7.22 p. m.; sparks from chimney.
Monday	27	631	.....	3.17	1210 S. Charles street.	Thomas Donlin...	Stable.....	.....	6.....	Two-story brick..	Loss $5; recall 3.35 p. m.; sp'ks from chimney.
Tuesday	28	425	1.17	.....	941 W. Baltimore st..	A. Hernstein.....	Notion store..	8, 8 Chemical.	2.....	Three-story brick.	Loss $3,344.84; recall 2.21 a. m.; unknown.

Wednesday	29	175	.....	1.53	250 S. Collington ave.	J. H. Weiss.....	Cigar store and dwelling.	.....	.....	Three-story brick.	Loss $7.50; recall 2.07 p. m.; unknown; extinguisher 11 Engine Co.
Thursday	30	143	5.15	.....	1006 E. Pratt street...	L. Maguire.....	Dwelling.....	3.....	3.....	Two-story brick..	Loss $129.56; recall 6.10 a. m.; some one smoking in room.
Thursday	30	54	.....	6.04	705 Hanover street...	C. F. Krause.....	Store and Dwelling.	.....	.....	Three-story brick.	Loss $35; recall 6.15 p. m.; gas jet set fire to artificial designs; extinguisher 2 Engine Co.
Thursday	30	247	.....	6.34	1251 Edward street....	A. Johnson.....	Dwelling.....	.....	.....	Two-story brick..	Loss $116.05; recall 7.09 p. m ; unknown; extinguisher 6 and 9 Engine and 1 and 5 H. and L. Cos.
Friday	31	183	10.49	.....	1007 Chesapeake st....	Mary Murphy....	Tenement house	.....	3	Three-story brick.	Loss $5; recall 11.14 a. m.; foul chimney.
Friday	31	281	.....	1.44	Belair avenue ex'td...	H. C. Logeman...	Dwelling....	6 Chemical.	.....	.....	Loss $20; recall 2.24 p. m.; incendiary.
February. Saturday	1	415	.....	6.17	13 N. Eutaw street...	W. U. Tel. Co	Tel. office....	.....	2.....	Four-story brick..	Loss $10; recall 6.30 p. m.; electric light wire set fire to woodwork.
Tuesday	4	26	1.07	.....	706 N. Gay street. ...	Wm. Keys.....	Liquor saloon and dwelling.	6.....	1, 5...	Three-story brick.	Loss $169.20; recall 1.32 a. m.; lighted cigar thrown among rubbish.
Tuesday	4	214	.....	1.43	14 and 16 N. High st...	D. McDougal.....	Livery stable.	3.....	1.....	Three story brick.	Loss $50; recall 2.23 p. m.; sparks from blacksmith's forge.
Tuesday	4	14	.....	1.55	16 Albemarle street...	Druid Fabric Roofing Co.	Felting m'ft..	3.....	3, 5...	Three-story brick.	Loss $218.45; recall 2.18 p. m.; overheated furnace.
Tuesday	4	231	.....	9.55	418 and 420 Bethel st..	A. Schneider.....	Stable.....	3, 6, 9.....	3.....	Two-story brick..	Loss $481.45; recall 11.41 p. m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1890.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Wednesday 5	292	2.41	.....	Gorsuch ave., annex..	R. Rankin.....	Dwelling.....	4 Chemical	7.....	Three-story frame.	Loss $346; recall 3.20 a. m.; gas jet set fire to curtains.
Wednesday 5	218	.....	2.27	820 E. Baltimore st...	Charles Prudent..	Saloon and dwelling.	.....	1.....	Four-story brick..	Loss $32; recall 2.45 p. m.; unknown.
Thursday 6	517	2.46	.....	S. E. cor. Russell and Bayard streets.	J. T. Fahey.....	Coal and wood yard.	2, 8, 10.....	6.....	One-story frame..	Loss $875; recall 7.22 a. m.; unknown.
Thursday 6	531	4 53	.....	523 S. Fremont street.	Charles Kern.....	Saloon and dwelling.	8 Chemical.	2.....	Three-story brick	Loss $288.75; recall 5. 09 a. m.; mice nibbling matches.
Friday 7	426	.....	7.18	1107 W. Baltimore st.	H M. Key.....	Saloon.....	.....	2.....	Three-story brick.	Loss $151.75; recall 7. 46 p. m.; unknown; extinguisher 8, 10 and 14 Engine Cos.
Monday 10	425	.....	8.47	889 W. Baltimore st..	Kate Murphy.....	Notion store and dw'lg...	.....	2.....	Three-story brick.	Loss $40.55; recall 8.57 p. m ; gas jet set fire to curtains.
Tuesday 11	151	11.53	.....	233 S. Caroline street.	Wm. Frampton..	Dwelling.....	.....	3.....	Three-story brick.	Loss $131; recall 12.19 p. m.; unknown; extinguisher 3 and 5 Engine Cos.
Tuesday 11	238	.....	11.02	838 N. Gay street.....	George Scherer...	Notion store..	.....	5.....	Three-story brick.	Loss $12.87; recall 11. 26 p. m.; lighted cigar thrown among loose paper; extinguisher 6 and 9 Engine Cos.
Wednesday 12	541	5.52	.....	828 S. Eutaw street....	Henry Bahm.....	Saloon and dwelling.	8 Chemical.	6.....	Three-story brick.	Loss $193.30; recall 6. 37 a. m.; explosion of coal-oil lamp; extinguisher 2 En. Co.

Thursday	13	624	6.30	.....	N. W. cor. Sharp and West streets.	Brewington & Co.	Tin-ware m'ft.	.....	6.....	One-story brick...	Loss $200; recall 6.45 a. m.; cauldron of tallow boiled over.
Monday	17	218	.....	12.12	828 E. Baltimore st...	M. Brenner.....	Picture frame m'ft.	3.....	1.....	Three-story brick.	Loss $70.49; recall 12.26 p. m.; coal-oil lamp bursted.
Tuesday	18	432	7.34	.....	126 S. Schroeder street	John Litz.....	Dwelling.....	.....	.....	Three-story brick	Loss $20.96; recall 7.50 a. m.; overheated stove; extinguisher 8 Engine and 2 H. and L. Cos.
Thursday	20	3	8.47	.....	310 to 318 North st....	J. Landis & Co...	Flour and feed warehouse.	1, 2, 3, 4....	1,2,3,4	Two-story brick..	Loss $11,742.31; recall 6.28 p.m.; unknown.
2d alarm.		....	8.49	.....	.....	S. G. Crocker.....		5, 6, 7, 8....	5, 6...		
3d alarm.		....	8.55	.....	....	C. W. Slagle & Co.	.....	9, 10, 12....	.....		
								2 Chemical.	.....		
								4, 8.....	.....		
Friday	21	217	8.01	.....	Hillen st. bt'wn Front and Exeter.	W. M. R. R. Co...	Storage yard..	6.....	1, 5...	Box car.....	Loss $175; recall 8.50 a. m.
Friday	21	41	8.45	.....	11 N. Charles street...	Singer S. M. Co..	Offices.....	.....	.....	Five-story marble front building.	Loss none; recall 9.35 a. m.; back draft of chimney.
Friday	21	321	10.45	.....	646 W. Franklin street	Samuel Hunt.....	Dwelling.....	.....	4.....	Three-story brick.	Loss none; recall 11.10 a. m.; foul chimney.
Saturday	22	153	3.39	.....	1519 Canton avenue...	Thomas Hughes..	Saloon and dwelling.	.....	3.....	Three-story brick.	Loss none; recall 3.53 a. m.; a woman's clothes taking fire from a stove, burning her badly.
Tuesday	25	531	8.08	.....	767 Columbia avenue.	C. H. Freadway...	Notion store and dw'lg.	.....	2.....	Three-story brick.	Loss $10; recall 8.20 a m.; electric-light wire set fire to woodwork.
Wednesday	26	292	.....	4.20	8 Merryman's Lane, annex.	Wm. Jones.....	Dwelling.....	.....	7.....	Two-story frame.	Loss none; recall 4.49 p. m.; unknown.
Wednesday	26	13	.....	10.10	110 and 112 Concord st.	C. Hollander & Sons.	Furniture m'ft.	3.....	1.....	Five-story brick..	Loss none; recall 10.40 p. m.; spontaneous combustion.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Friday 28	26	1.21	.....	729, 731 and 733 N. Gay street.	Adler & Co.....	Notion stores.	6 Chemical..	1, 5...	Two-story brick..	Loss $5,548.90; recall 2.19 a. m.; heat from furnace; extinguisher 3, 6, 9 Engine Cos.
Friday 28	13	.....	8.25	728 E. Pratt street....	E. Conrades.....	Saloon and dwelling,	.....	1.....	Three-story brick	Loss $49.47; recall 8.35 p. m.; pan of grease set fire to carpet.
March.										
Saturday 1	425	1214½	.....	886 Rayborg street....	Aug. Jones.....	Dwelling.....	.....	2.....	Two-story brick..	Loss $1.00; recall 12.25 a. m.; clothes fell on a stove.
Sunday 2	425	2.34	.....	931 Page's court.....	John Jones.....	Dwelling.....	.....	2.....	Two-story brick..	Loss $15; recall 2.47 a m.; lighted lamp set fire to bed clothes.
Monday 3	254	2.11	.....	315 E. North avenue..	None.	Dwelling.....	6, 7, 3,4.... Chemical.	5.....	Four-story brick..	Loss $2,319.59; recall 5.44 a. m.; incendiary.
Monday 3	13	8.15	.....	40 Centre Market sp...	C. Hollander & Sons	Storage w'hs..	3.....	1.....	Four-story brick..	Loss $472.27; recall 8. 40 a. m.; sparks from stove.
Monday 3	535	10.32	.....	Washington road.....	Rose, Whitehurst & Co.	Lamp-black m'ft	10, 14.....	6.....	One-story frame..	Loss $475; recall 12.16 p. m.; still of varnish took fire from the furnace.
Thursday 6	516	.....	1040½	Foot of Warner street.	Baker Bros.....	Stable and stor'g shed.	2, 8, 10.....	2, 6...	One-story frame 90 by 30 feet.	Loss $2,551.32; recall, March 7th., 7.58 a. m.; unknown.
Friday 7	216	12.23	.....	1147 McElderry street.	J. Kahler.....	Dwelling.....	.....	5.....	Two-story brick..	Loss $300; recall 1.03 a. m.; unknown; extinguisher 6 and 9 Engine Cos.

Friday	7	523	.....	3.17½	528 Burgundy alley...	J. Armstrong.....	Dwelling.....	8 Chemical.	2.....	Three-story brick.	Loss $354; recall 4.11 p. m.; unknown.
Saturday	8	251	8.43	.....	917 Hillman street....	E. Connolly.....	Dwelling.....	.....	5.....	Two-story brick..	Loss $89.90; recall 9.24 a. m.; overheated stove; ex. 6 En. Co.
Saturday	8	172	.....	6.46	2207 E. Baltimore st..	Wm. Holz.....	Saloon and dwelling	.....	3.....	Three-story brick.	Loss $240.75; recall 7. 51 p. m.; heat from chimney, extinguisher 5 and 11 Engine Cos.
Sunday	9	355	.....	1.26	N. W. cor. Park ave. and Richmond st.	J. S. Crowther....	Hotel Albion.	.....	4.....	Five-story brick..	Loss $20; recall 1.45 p. m.; vapor from gasoline stove; extinguisher 7 Engine Co.
Thursday	13	422	2.35	.....	36 S. Holliday street..	Geo. W. Grafflin..	Office Patapsco g'no Co.	.....	1.....	Four-story brick..	Loss $53.23; recall 3. 21 a. m.; unknown; extin. 4 Engine Co..
Thursday	13	14	2.50	.....	913 E.Lombard street.	S. Kaufman.....	Tenement h's.	3, 9.....	3.....	Four-story brick..	Loss $380; recall 4.11 a. m.; unknown.
Thursday	13	523	.....	5.58	408 W. Conway street.	C. A. Euler & Son.	Paper-box f'ct	2.....	2.....	Three-story brick.	Loss $218.40; recall 7. 04 p. m.; boxes taking fire from gas jet.
Thursday	13	314	.....	9.27	322 N. Howard street.	Olsen & Co.....	Fresco shop..	1, 7.....	2, 4...	Four-story brick.	Loss $966.90; recall 11.
					324 N. Howard street.	H. C. Bourman...	Gas-fit. shop..	8 Chemical.	.....	Four-story brick..	30 p. m.; spontaneous combustion.
Friday	14	6	.....	10.25	124 South street.....	Hunter & Muller.	Salt-fish store.	4..... ..	1.....	Four-story brick..	Loss $60; recall 11.06 p. m.; heat from stove pipe.
Saturday	15	284	.....	9.16	510 Jefferson st. annex.	None.....	.....	4 Chemical.	7.....	Two-story frame..	Loss $50; recall 10.15 p. m.; incendiary.
Sunday	16	3	5.31	.....	230 N. Calvert street..	Sisters of Charity.	City Hospital.	4.....	.....	Five-story brick..	Loss $299.64; recall; Spontaneous combustion.
Monday	17	363	8.43	.....	586 N. Fremont street.	Adam Miller.....	Shoe store and dwelling.	.....	4.....	Three-story brick.	Loss $173.68; recall 9. 05; a. m.; overheated stove; extinguisher 8 and 13 Engine Cos.
Wednesday	19	533	9.09	.....	760 St. Peter street....	H. Shuster.....	Dwelling.....	8 Chemical.	2, 6...	Three-story brick.	Loss $158.76; recall .9. 47a.m.;overh'td st v.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1890.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Wednesday 19	41	.....	6.16	9 E. Lexington street.	J. W. Simpson....	Law office....	.....	2.....	Three-story brick.	Loss $53.38; recall 6.32 p. m.; paper fell off the wall on stove.
Saturday 22	319	8.06	.....	4 E. Madison street...	Mrs. J. Ridgeley..	Dwelling.....	.....	4.....	Three-story brick.	Loss none; recall 8.19 a. m.; foul chimney.
Sunday 23	12	3.34	.....	4 S. Gay street.....	Charles Sirre.....	Saloon and dwelling.	.....	1.....	Four-story brick.	Loss $193.28; recall 4. 12 a. m.; lighted cigar thrown on floor; extinguisher 4 Engine Co.
Sunday 23	291	.....	8.50	Cottage avenue, annex	John Quill.....	Bakery and dwelling.	3, 4, 5, 6 Chemical.	7.....	Two-story frame.	Loss $753.25; recall 9. 45 p. m.; defective flue.
Sunday 23	75	.....	9.20	Foot of Garrett street.	Coates & Son.....	Storage shed..	12.....	6.....	Frame shed.....	Loss none; recall 9.45 p. m.; unknown.
Wednesday 26	313	.....	7.35	606 N. Charles street..	G. N. Jordan.....	Boarding-h's.	.....	4.....	Four-story brick..	Loss $41.20; recall 7.48 p. m.; gas jet set fire to curtain.
Thursday 27	423	1140½	.....	679 W. Baltimore st..	Peter Sondheim..	Und'tk. es'tb. and dwelling.	....	2.....	Three-story brick.	Loss $89.25; recall 11. 52 a. m.; children playing with matches; extinguisher 1 Engine Co.
Thursday 27	262	.....	10.29	1228 N. Gay street....	G. W. Donohue..	Carpenter shp	6, 9.....	5.....	One & half story frame.	Loss $132.33; recall 11. 21 p. m.; unknown.
Saturday 29	245	.....	2.22	540 E. Monument st..	T. M. Ditman & Sons.	Lime & cem't wareh's.	9.....	1, 5...	Two-story brick..	Loss $21.40; recall 2.58 p. m.; sparks from chimney.
Saturday 29	493	.....	4.52	Liberty road, annex...	H. W. Kinstler...	Dwelling, st'bl and barn.	14..... Chem. 1, 2..	8.....	Two-story frame.. Two-story frame..	Loss $1,039.68; recall 6·58 p. m.; children play'g with matches

Saturday	29	414	.....	6.10	20 S. Liberty street...	Kreuger Bros.....	Cigar factory.	8 Chemical.	4.....	Three-story frame.	Loss $970.37; recall 6.40 p. m.; unknown.
Monday	31	372	.....	11.27	1326 N. Woodyear st..	M. McCarthy.....	Grocery store and dwelling.	13.....	4.....	Two-story brick..	Loss $990; recall Tuesday, April 1st, 12.10 a. m.; unknown.
April.											
Tuesday	1	182	12.47	.....	2235 Boston street....	H. L. Thomas & Son.	Saw mill.....	5, 11.....	3.....	One-story frame..	Loss $258.25; recall 3.37 a. m.; heat from furnace.
Wednesday	2	242	.....	3.31½	839 Greenmount ave..	G. W Wilson.....	Stable.....	3, 4, 5, 6...	1, 4, 5	Two-story brick..	Loss $2,063.40; recall 5.15 p.m.; unknown.
2d. alarm.			.....	3.37				7, 9..... 4, 6 Chemical.			
Wednesday	2	53	.....	4.56½	510 Scott street.....	J. Neuhardt.....	Dwelling.....	.....	.....	Three-story brick.	Loss $94.39; recall 5.35 p. m.; defective chimney; extinguiser 2 and 10 Engine, 6 H. and L. and 8 Chemical Cos.
Thursday	3	251	.....	11.20	928 Chew street.....	Wm. Johnson....	Grocery store.	6, 9.....	5.....	Three-story brick.	Loss $925; recall Friday, 4th, 12.24 a. m.; falling of a coal-oil lamp.
Friday	4	328	.....	8.40	1428 McCulloh st....	Dr. F. A. Bethelheim.	Dwelling.....	.....	4.....	Three-story brick.	Lost $10; recall 8.48 p. m.; hot ashes set fire to rubbish.
Saturday	5	248	.....	5.53½	356 N. Holliday street.	Wm. Green.....	Dwelling.....	.....	1.....	Three-story brick.	Loss $5; recall 6.10 p. m.; overheated stove; extinguisher 4 Engine Co.
Sunday	6	292	11.39	.....	Eleventh street and York road, annex.	J. W. Cross.....	Storage shed..	.....	7.....	One-story frame..	Loss $10; recall 12.18 p. m.; incendiary.
Sunday	6	151	.....	9.24	233 S. Dallas street...	E. Stern.....	Dwelling.....	.....	3.....	Two-story brick..	Loss $65.15; recall 9.45 p. m.; explosion of coal-oil lamp; extinguisher 3 and 5 Engine Cos.
Monday	7	349	8.35	.....	2118 N. Charles street, annex.	Mrs. J. L. Crise..	Dwelling.....	3 Chemical.	7.....	Three-story brick.	Loss $49.75; recall 9.45 a. m.; breaking of heating pipe.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1890.

Date.		Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks
Monday	7	23	.....	7.12¾	307 N. Eden street....	Meyer Stern	Dwelling.....	.....	.....	Three-story brick.	Loss $24.07; recall 7.21 p.m.; gas-jet set fire to curtain; exting'r 6 Engine Co.
Thursday	10	391	9.35	.....	8 Clifton street, annex	None.....	.....	13..... 2 Chemical.	4.....	Two-story frame..	Loss $35; recall 10.35 a. m.; children playing with matches.
Sunday	13	12	4.42	.....	107 N. Gay street.....	Joseph Hancock..	Boarding h's..	3, 4..... 8 Chemical.	1, 2...	Three-story brick.	Loss $413.18; recall 5. 54½ a.m.; unknown.
Sunday	13	173	5.54	....	612 Port street.....	Wm. Nickleman..	Dwelling.....	5, 11.....	3.....	Two-story brick..	Lo-s $221.50; recall 6. 23 a. m.; upsetting of a coal-oil lamp.
Sunday	13	141	8.04¾	.....	N. E. cor. Canton ave. and President st.	Otto Duker & Sons.	Saw mill.....	3.....	1, 3..	Two-story brick...	Loss $50; recall 10.16 a. m.; spontaneous combustion.
Sunday	13	13	.....	6.33½	124 Centre Market sp.	F. L. Brown.....	Eating and lodging h's.	.....	1.....	Three-story brick.	Loss none; recall 6.45 p. m.; upsetting of a can of benzine.
Monday	14	394	.....	4.09	Third ave. and Falls road, annex.	A. G. Richardson.	Dry goods and grocery str.	.....	9.....	One-story frame..	Loss $25; recall 4.34 p. m.; explosion of gasoline tank.
Monday	14	533	.....	4.37½	N. E. cor. Barre and St. Peter streets.	Wm. Heinekamp..	Dry-house for piano f'cty.	1, 2, 8. 10... 8 Chemical.	2, 6..	Two-story brick..	Loss $640.25; recall 10. 10 p. m.; unknown.
Monday	14	141	.....	7.42	316 President street...	P. F. Collins.....	Grocery store and dwelling.	.....	1.....	Three-story brick.	Loss $55; recall 7.54 p. m.; lighted match thrown on featherbed; extinguisher 3 Engine Co.
Tuesday	15	13	11.17	.....	215 McElderry's wh'f..	Mary Wensal.....	Tenement h's.	.....	1.....	Three-story brick.	Loss none; recall 11.32 a. m.; foul chimney.

Wednesday	16	481	.....	9.10	1806 Frederick avenue.	J. F. Burk.....	Feed store and dwelling.	14..... 1 Chemical.	2, 8...	Three-story brick.	Loss $56.28; recall 10 04 p. m.; unknown.
Thursday	17	352	7.15	.....	307 Mosher st., in the rear.	John F. Trainor..	Plum'ng shop and dw'lg.	7.....	4.....	Three-story brick.	Loss $45; recall 7.50 a. m.; lighted match thrown near a barrel of gasoline.
Thursday	17	293	.....	4.08	Old York rd. cor. Chestnut Hill ave., annex.	Estate of C. R. Taylor, Melvale.	Storage	.....	7.....	Pile of lumber and brush.	Loss $25; recall 4.28 p. m.; unknown.
Thursday	17	624	.....	4 46½	1107 Leadenhall st....	J. Griffith	Dwelling.....	.....	6.....	Two-story brick..	Loss $149.90; recall 4. 59 p. m.; children playing with matches.
Saturday	19	142	10.46	.....	N. E. cor. Bank st. and Central avenue.	M. H. Marcus & Bro.	Steam quilt works.	3.....	3.....	Three-story brick.	Loss $85; recall 11.21 a. m.; some foreign substance in cotton going through machinery.
Saturday	19	519	.....	6.29¾	S. W. cor Ostend and Russell streets.	Matthai, Ingram & Co.	Wood P'ckg. box fac'ty	10.....	6.....	Two-story frame..	Loss none, recall 7.29 p. m.; heat from furnace.
Saturday	19	156	.....	10.36	731 S. Broadway.....	S. Shepor.....	Dwelling and notion store.	3, 5, 11.....	3.....	Three-story brick.	Loss $160.35; recall 11. 16 p. m.; unknown.
Sunday	20	243	9.04	.....	817 Ensor st., in rear..	Baltimore Cotton Waste Co.	Packing h's..	4, 6, 9.....	5.....	One-story frame..	Loss $983.97; recall 11.34 a. m.; unknown.
Sunday	20	315	.....	1.51¾	107 W. Monument st., in the rear.	Dr. A. F. Dulin...	Stable.....	1, 7.....	4.....	Two-story brick..	Loss $142.11; recall 3. 30 p. m.; spontaneous combustion.
Monday	21	613	.....	10.30	Foot of Hughes street.	C. Reeder & Sons.	Boiler shop...	.....	6.....	One- story brick..	Loss $5; recall 11.36 p. m.; sparks from furnace.
Wednesday	23	234	10.10	.....	125 N. Ann street.....	Wm. Copper.....	Dwelling.....	5.....	3.....	Three-story brick.	Loss $88.97; recall 10. 45 a. m.; children playing with matches.
Wednesday	23	431	.....	9.55	123 S. Fremont street.	Landon & Kent...	Picture frame manufact'y.	1.....	2, 4...	Four-story brick..	Loss $106.63; recall 10. 33 p. m.; spontaneous combustion.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1890.

Date.		Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Thursday	24	28	12.18	.....	1801 N. Chester street.	F. Thone.....	Saloon and dwelling.	6 Chemical	5.....	Two-story brick..	Loss $27; recall 1.10 a. m.; unknown.
Thursday	24	418	12.54	.....	203 Jasper street.....	L. Raiber.....	Dwelling.....	.....	2.....	Three-story brick.	Loss $33.75; recall 1.32 a. m.; foul chimney.
Thursday	24	23	3.47	.....	317 N. Eden street....	H. Uhrich.....	Bakery and dwelling.	6.....	3.....	Three-story brick.	Loss $93.45; recall 4.21 a. m.; heat from oven.
Saturday	26	4	.....	5.58	S. W. cor. Baltimore and Calvert streets..	W. U. Tel. Co....	Telegraph office.	4.....	1.....	Four-story stone and brick.	Loss $50; recall 7.08 p. p. m.; electric-light wire set fire to woodwork.
Saturday	26	214	.....	8.06	203 N. Exeter street..	H. Windesheim...	Notion store and dw'lg.	.....	1.....	Three-story brick.	Loss $323.06; recall 8.38 p.m.; unknown; ext'g 3, 4 and 6 En. Co.
Sunday	27	285	.....	4.06	221 Washington st., annex.	Wm. Cross.....	Dwelling.....	5 Chemical.	.....	Two-story frame..	Loss none; recall 4.29 p. m.; foul chimney.
Monday	28	71	.....	10.45	Foot of Clement st....	C. Peirson & Co..	Stable.....	2, 12.....	6.....	Two-story brick..	Loss $75.40; recall 11. 38 p. m.; unknown.
Wednesday	30	526	.....	7.51	139 W. Camden street.	Annie Wehn.....	Grocery store and dw'lg...	.....	.....	Three-story brick.	Loss none; recall 8.04 p. m.; explosion of gasoline stove.
May.											
Thursday	1	271	8.46	.....	1820 Chew street.....	H. Fitzpatrick....	Dwelling.....	9.....	5.....	Three-story brick.	Loss $50; recall 9.04 a. m.; explosion of gasoline stove.
Thursday	1	251	11.10	.....	Eager and Somerset streets.	Priests of St. James Church.	Residence....	.....	5.....	Three-story brick.	Loss none; recall 11. 35 a. m.; foul chimney.
Thursday	1	624	.....	8.58	1239 S. Sharp street...	Baltimore Cedar Works.	Wooden-ware manufact'y.	1, 2, 4, 5....	2, 4, 6	Two-story brick..	Loss $14,581.90; recall 12.54 a. m.; heat from furnace.
2d alarm.		....	.....	9.00	.....			6, 7, 8, 10...	.....	One-story frame..	
3d alarm.		....	.....	9.05	 13	E. Roatman, ag't.	.....	12.....	.....	.....	

Friday	2	372	4.42	.....	1313 Stockton street..	Alice Darton.	Grocery and liquor store.	13..... 2 Chemical.	4.....	Two-story brick..	Loss $761.90; recall 5. 40 a m.; mice nibbling matches.
Monday	5	12	.....	6.24	425 E. Baltimore st...	S. Fleishman.....	Furnishing store, photo. gallery.	4..... 8 Chemical.	1.....	Three-story brick.	Loss $383.15; recall 6. 55 p. m.; spontaneous combustion.
Tuesday	6	234	5.14	.....	1900 E. Fayette street.	P. Uttenrauther..	Stable	5.....	3.....	One-story frame..	Loss $156.95; recall 5. 37 a. m.; unknown.
Wednesday	7	171	7.40	.....	2120 Boston street....	S. Ruth & Sons...	Tin-can fac'ty	11.....	3.....	Four-story brick..	Loss $25; recall 8.10 a.
					2111 Cambridge street.	.....	.....	.....	.....	Four-story brick..	m.; vapor from gasoline tank.
Wednesday	7	624	.....	2.06	1020 S. Sharp street...	S. Bishop.....	Dwelling.....	.....	6.....	Three-story brick.	Loss $59.75; recall 2. 16 p. m.; sparks from chimney.
Thursday	8	417	.....	1227½	632 W. Pratt street..	G. W. Jamison &	Picture-frame	.....	.....	Three-story brick,	Loss $3,086.75; recall
2d alarm.		.....	.....	1235½	634 W. Pratt street...	Son.	factory and	.....	.....	40 by 180 feet.	2.35 p. m.; heat from
3d alarm.		.....	.....	1240½	.....	Bagley & Rivers..	saw mill.	.....	.....	.....	furnace.
Thursday	8	431	.....	12.32	This box was turned	in for above fire.	No recall.....	.....	.....	.....	Loss none; recall none.
Thursday	8	362	.....	10.55	747 Chestnut alley....	A. Meeds.....	Dwelling.....	7, 13.....	4.....	Two-story brick..	Loss $230.25; recall 11. 46 p. m.; explosion of coal-oil lamp.
Friday	9	145	.....	4.53¾	1323 E. Lombard st...	M. Smith.....	Confectionery store and dwelling.	.....	3.....	Three-story brick.	Loss $24.85; recall 5 06 p. m.; sparks from chimney.
Friday	9	381	.....	7.58¾	1420 Mount street.....	Mrs. A. Kent.....	Dwelling.....	2 Chemical.	4.....	Three-story brick.	Loss $232.20; recall 8. 29 p. m.; lighted candle set fire to clothes.
Wednesday	14	75	.....	4.08	Nicholson and Decatur streets.	E. H. Bennett....	Chesapeake Pottery Co.	.....	6.....	Three-story brick.	Loss $5; recall 4.32 p. m.; explosion of gasoline stove.
Thursday	15	524	1.55	.....	14 and 16 W. Barre st.	J. Krause & Sons.	Balto. Meat	1, 2, 3, 4....	1,2,4,6	Three-story brick.	Loss $7,874.23; recall
2d alarm.		....	2.19	.....	.....	.....	Co's. store.	10,12,15....	.....	.....	4.50 a. m.; unknown.
Friday	16	71	.....	6.33¼	Foot of Burrough st..	Keagle & Guede..	Oyster pack'g est'bmt and lime kilns.	12.....	6. ...	One-story frame..	Loss $1,157.83; recall 8.35; p. m.; heat from kilns.
Saturday	17	236	.....	4.21¼	2212 E. Fayette street.	S. Strausburger ...	Dwelling.....	11.....	3.....	Three-story brick.	Loss $107.25; recall 4. 37 p. m.; unknown.

RECORD OF FIRES AND ALARMS EOR THE YEAR ENDING DECEMBER 31, 1890.

DATE.	BOX.	Hour A. M.	Hour P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. Cos.	STYLE OF BUILDING.	REMARKS.
Sunday 18	395	.....	5.20¼	Roland ave., annex...	W. E. Addison....	Dwelling.....	7 Chemical..	9.....	Four-story frame.	Loss $260; recall 6.19 p. m.; mice nibbling matches.
Sunday 18	52	.....	6.07¾	427 S. Sharp street....	Thomas Murphy..	Stable	.....	.....	Two-story brick..	Loss none; recall 6.18 p. m.; unknown; extinguisher 2 Engine Co.
Monday 19	141	.....	3.37¼	803 Eastern avenue...	R. Gantt.....	Dwelling.....	3, 4, 5.....	1, 8...	Two-story brick..	Loss $253.61; recall 4. 16 p. m.; sparks from chimney.
				805 Eastern avenue...	Mrs. Roberts.....	Dwelling.....	8 Chemical..	.....	Two-story brick..	
				807 Eastern avenue..	H. McManus.....	Dwelling.....	.....	.....	Two-story brick..	
Tuesday 20	156	.....	10.15	173 Lancaster street..	James Fisher.....	Dwelling.....	.....	3.....	Three-story brick.	Loss $5; recall 10.30 p. m.; explosion of coal-oil lamp.
Wednesday 21	14	10.10	.....	914 E. Pratt street....	J. Silverwood....	Dwelling.....	.....	1, 3..	Three-story brick.	Loss $91.81; recall 10. 54 a. m.; sparks from chimney; extinguisher 3 Engine Co.
Wednesday 21	135	.....	6.51½	1210 Block street	J. H. Heald & Co.	Saw-mill and lumber y'd.	3.....	1, 3...	Two-story frame.	Loss $50; recall 8.05 p. m.; heat from furnace.
Thursday 22	513	12.12	.....	222 W. Pratt street...	Strasser & Schroeder.	Machine shop and gun f'ty	1, 2, 3,4.....	1,2,4,6	Two-story brick..	Loss $1,783.33; recall 1.47 a. m.; heat from furnace.
2d alarm.	....	12.20	.....	.....			7, 10, 15....	.....	.....	
Saturday 24	235	.....	12.10	2325 Milliman street..	F. W. Osterkamp.	Dwelling.....	.....	.....	Two-story brick..	Loss $75; recall 12.35 p. m.; children playing with matches; extinguisher 9 Engine and 3 H. and L. Cos.

Saturday	24	13	.....	4.50	123 Centre Market Sp.	C. Hollander & Sons.	Furniture manufactr'y	3, 4, 5, 6....	1, 3.	Four-story brick..	Loss $1,061.97; recall 5.37 p. m.; vapor from benzine.
2d alarm.		....	.....	4.52½							
Monday	26	517	2.37	.....	Ramstead's wharf....	W. Swindell & Sons.	Glass factory, stable and storage.	1, 2, 7, 8.... 10, 12.....	2, 6..	One-story frame..	Loss $1,641.39; recall 3.01 p. m.; unknown.
2d alarm.		...	2.49	.....	Ridgely street.....						
Monday	26	817	... ..	6.32	9 W. Baltimore street.	Armstrong, Cator & Co.	Wholesale millinery store.	.....	.....	Seven-story iron front.	Loss none; recall 6.42 p. m.; thermostat on fourth floor.
Monday	26	31	.....	7.44¼	346 North street.....	J. Hutchins.....	Boarding house.	.....	.....	Three-story brick.	Loss $37; recall 7.46½ p. m.; gas jet set fire to curtain; extinguisher 4 Engine Co.
Thursday	29	426	.. ...	10.00	Hollins st. between Oregon and Republican streets.	City of Baltimore.	Public market Hollins Hall	14.....	.....	Two-story brick..	Loss $1; recall 10.13 p. m.; gas jet set fire to drapery.
Friday	30	432	.....	8.06	856 W. Pratt street...	B. Spilman.....	Dwelling.....	.....	.....	Three-story brick.	Loss $56; recall 8.45 p. m.; defective flue; extinguisher 14 Engine and 2 H. and L. Cos.
Friday	30	171	.....	9.44	2120 Boston street....	S. Ruth & Sons..	Tin-can factory.	.....	.....	Four-story brick..	Loss none; recall 9 53 p. m.; reflection from a fire pot.
June.											
Monday	2	513	11.15	.....	41 Hopkins Place.....	Stevenson, Alexander & Cator.	Wholesale boot and shoe store.	.....	.....	Five-story brick..	Loss none; recall 11.20 a. m.; water-pipe bursted and flooded the cellar; 8 reserve Engine was sent to pump out the water.
Tuesday	3	314	2.16	.....	321 N. Howard street.	J. Crockard.....	Paper-hanging store and dwl'g.	7, 15.....	2, 4..	Three-story brick.	Loss $1,302.18; recall 3.16 a. m.; unknown.
Wednesday	4	38	10 58	.....	425 Boulden alley....	L. Bates.....	Dwelling.....	2 Chemical.	.....	Two-story brick..	Loss $20.75; recall 11. 15 a. m.; heat from stove pipe.
Friday	6	265	.....	4.03	1703 N. Bond street...	Robert Johns....	Dwelling.....	.....	5.....	Three-story brick.	Loss $65.60; recall 4. 21 p. m.; lightning.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1890.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Tuesday 10	28	2.37	.....	Belair avenue near Burke street.	Scheutzen Park Co.	Stable.....	6 Chemical.	5.....	One-story frame..	Loss $71.50; recall 3. 20 a. m.; unknown.
Wednesday 11	264	.....	3.05	Walnut alley near Preston street.	M. Ament & Son.	Hay-packing establ'mt.	7, 8, 13.....	2, 4..	Two-story stone..	Loss $3,941.82; recall 9.05 p. m.; sparks from furnace.
Thursday 12	24	9.10	.....	341 N. Gay street.....	L. Kaufman.....	China store and dw'lg	6.....	1.....	Three-story brick.	Loss $280 70; recall 9. 30 a. m.; lighted candle set fire to clothes in closet.
Thursday 12	541	.....	1 26	1022 S. Howard street.	Daniel White.....	Dwelling.....	.....	6.....	Three-story brick.	Loss $113.67; recall 1. 58 p. m.; sparks from chimney; extinguisher 2 Engine Co.
Friday 13	18	.....	9.48	Foot of Chesapeake street.	Brusstar & Bros.	Ship-yard and dry-dock.	.....	3.....	One-story brick..	Loss $20; recall 10.15 p. m.; explosion of coal-oil lamp.
Sunday 15	214	4.16	.....	1011 & 1113 E. Baltimore street.	Jewish Synagogue	Hall, Carroll.	3, 4, 6.....	1, 3..	Four-story brick.	Loss $1,371.51; recall 5.39 a. m.; unknown.
Tuesday 17	154	3.07	.....	1432 & 1434 Philpot st.	Henry Norton and others.	Tenement house.	.....	3.....	Two-story brick..	Loss $270.57; recall 3. 55 a. m.; unknown; extinguisher 3, 5 and 11 Engine Cos.
Tuesday 17	43	5.44	.....	625 W. German street.	C. Partridge.....	Boarding house.	....	2.....	Three-story brick.	Loss $84.25; recall 6. 03 a. m.; falling of a gasoline stove; extinguisher 1 and 10 Engine Cos.

Thursday	19	291	.....	5.53¼	321 Huntingdon ave. annex.	W. D. Kimbal...	Dwelling.....	3, 4, 5, 7.... Chemicals.	5, 7..	Two-story frame..	Loss $191.15; recall 7. 32 p. m.; boys set fire to straw piled against the house.
Sunday	22	292	9.28	.....	806 Jefferson street, Waverly, annex.	A. G. Boggs.....	Dwelling.....	....	7.....	Three-story brick.	Loss $85.60; recall 9.53 a. m.; upsetting of a coal-oil stove.
Sunday	22	158	11.20	.....	842 S. Bond street....	A. Rusmoski and others.	Tenement house.	.....	3.....	Three-story brick.	Loss $149.50; recall 11. 40 a. m.; overheated stove; extinguisher 5 Engine Co.
Sunday	22	25	.....	4.34	801 E. Chase street...	Thomas Gorgan..	Stable.....	6, 9.....	5.....	Two-story	Loss $237.64; recall 6. 04 p. m.; spontaneous combustion.
Monday	23	631	9.25	.....	1202 S. Charles street.	F. Herline.....	Dwelling.....	.....	6.....	Three-story brick.	Loss $10.80; recall 9. 38 a. m.; children playing with matches.
Wednesday	25	215	2.36½	.....	331 Forrest street.....	I. Shiflin.....	Cabinet-making shop.	.....	.....	Two-story brick..	Loss $5; recall 2.46 a. m.; unknown; extinguisher 6 Engine Co.
Wednesday	25	34	.....	8.04	N. W. cor. Eager st. and Morton alley.	C. Devries.....	Stable, 1st & 2d floor.	7, 8, 13.....	4, 5..	Three-story brick.	Loss $331.32; recall 10. 27 p. m ; spontaneous combustion.
2d alarm.		....	.....	8.20	.....	T. Smith.....	Club-room, 3d floor.				
Thursday	26	3	11.26	.....	208 N. Holliday street.	F. J. Hesse.....	Machine shop.	.....	.....	Three-story brick.	Loss $14; recall 11.36 a. m.; sparks from stack; extinguisher 4 Engine Co.
Friday	27	218	.....	1.19	28 S. Front street.....	T. B. Cook.....	Wood and coal yard.	3.....	1.....	One-story frame..	Loss $35; recall 1.40 p. m.; sparks from stack.
Saturday	28	413	.....	1.59	112 W. Lexington st..	Wm. Stella.....	Confectionery	1.....	1, 2..	Three-story brick.	Loss $3,809; recall 3. 50 p. m.; unknown.
Saturday	28	234	.....	10.12	1759 Mullikin street..	Sverez & Co..... George Green....	Fur manuf'ty Barber-shop and dwl'g.	8 Chemical.	..... 3.....	Three-story brick.	Loss $2.50; recall 10.21 a. m.; heat from coal oil lamp.

DATE.		BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. Cos.	STYLE OF BUILDING.	REMARKS
Sunday	29	462	1.31	.....	Dover near Monroe st.	J. Winder.....	Stable	.....	.....	Two-story brick..	Loss $1; recall 1.51 a. m.; incendiary; extinguisher 14 Engine Co.
Sunday	29	531	.....	3.39	665 Haw street.....	J. A. Ruth.....	Stable and dwelling.	10..... 8 Chemical.	2.....	Two-story brick..	Loss $310; recall 4.03 p. m.; children playing with matches.
Monday	30	152	3.33	.....	228 S. Bethel street...	Wm. Kramme....	Grocery store.	5.....	3.....	Three-story brick	Loss $229.50; recall 4. 15 a. m.; unknown.
July. Tuesday	1	35	1.06	.....	1007, 1009, 1011, 1013,	Griffin & Manion.	Stable.....	1, 2, 4, 7....	1, 2, 5	Three-story brick,	Loss $47,202.82; recall
2d alarm.		....	1.14	.....	1015, 1017 and 1019	....	.....	8, 9, 10, 13..		90 feet front, extending through	6.50 a. m.; unknown;
3d alarm.		....	1.19	.....	N. Eutaw st.....	.....	.....	1, 2,4 Chem.		the block.	9 horses burned to
4 Chem. call.		....	1.40								death.
Tuesday	1	14	.....	4.15	104 S. High street....	M. Levian.....	Dwelling.....	3.....	.....	Two-story brick..	Loss $204.60; recall 4. 32 p. m.; explosion of coal-oil lamp.
Thursday	3	56	1.29	.....	113 W. Hamburg st...	C. P. March, Jr..	Feed store....	2, 12, 15 8 Chemical.	6.....	Two-story brick..	Loss $1,538.82; recall 3.22 a. m.; unknown.
Thursday	3	475	1.46	.....	S. E. cor. Harlem and Fulton avenues.	J. M. Gibson.....	Grocery store and dwl'g.		4.....	Three-story brick.	Loss $122.80; recall 2. 18 a. m.; spontaneous combustion.
Thursday	3	38	4.47	.....	Cor. Carey and Chappel streets.	A. F. Lawrence..	Stable.....	8, 13 2 Chemical.	4.....	Two-story brick..	Loss $515.91; recall 6. 10 a. m.; unknown.
Friday	4	153	4.07	.....	512, 514, 516 and 518 Canton avenue.	J. L. White & Co.	Block and Pump manufactory.	3, 5, 9, 11...	3.....	Two-story brick..	Loss $3,515.49; recall 5.22 a. m.
Friday	4	422	.....	4.22¾	306 E. Baltimore st...	U. S. Dennett....	Coffee and eating house.	4.....	1.....	Three-story brick.	Loss $77.75; recall 4.44 p. m.; gas jet set fire to woodwork.

Saturday	5	218	.....	9.30	37 S. Front street.....	L Kestner.....	Dwelling.....	.....	1....	Three-story brick.	Loss $97; recall 9.50 p. m.; explosion of coal-oil stove; extinguisher 3 Engine Co.
Sunday	6	283	.....	3.27	201 Harford avenue, annex.	J. O'Neal.....	Dwelling.....	5 Chemical.	5.....	Three-story brick.	Loss $62; recall 3.51 p. m.; unknown.
Tuesday	8	523	1.52	.....	418 W. Conway street, in the rear.	J. A. Lloyd.....	Stable.....	2, 15..... 8 Chemical.	2, 6..	Two-story brick..	Loss $308.97; recall 3.17 a. m.; spontaneous combustion.
Tuesday	8	246	.....	12.50	816 Ensor street, in the rear.	Baltimore Cotton-Waste Co.	Baling house.	6, 9.....	5.....	One-story frame..	Loss $50; recall 1.19 p. m.; sparks from chimney.
Wednesday	9	624	3.40	.....	1142 S. Sharp street..	Brewington & Co.	Tin-ware manufactory.	2.....	6.....	Three-story brick.	Loss $35; recall 4.29 a. m.; overheated furnace.
Wednesday	9	13	7.53	.....	122 Market Space.....	J. F. Brown.....	Saloon and boarding house.	.....	1.....	Three-story brick	Loss none; recall 8.10 a. m.; explosion of coal-oil stove.
Thursday	10	212	8.20	.....	706 Second street.....	S. Thompson and others.	Tenement house.	3, 4.....	1, 2..	Four-story brick..	Loss $210; recall; sparks from stack on adjoining property
Thursday	10	543	.....	8.45	1241 William street...	Joseph Besher....	Wall-paper store and dwelling.	.....	6.....	Three-story brick.	Loss $482.36; recall 9.10 p. m.; gas jet set fire to goods on the shelf.
Saturday	12	224	1.56	.....	833 & 835 W. Saratoga street.	F Polheim.....	Blacksmith-shop.	8, 10, 13.... 14	2.....	One-story frame..	Loss $1,602.74; recall 3.49 a. m.; unknown.
					820 White alley.....	M. Schonfield....	Dwelling.....	8 Chemical.	.....	Three-story brick.	
					822 White alley.....	John Barch.....	Dwelling.....	.....	.....	Three-story brick.	
Saturday	12	63	9.30	.....	1428 Light street.....	H. Heinmiller....	Dwelling....	....	6.....	Three-story brick.	Loss $49.21; recall 9.45 a. m.; upsetting of a coal-oil stove.
Saturday	12	364	.....	5.07	556 W. Preston street, in the rear.	J. Delaney.....	Stable	.....	4.....	Two-story brick..	Loss none; recall 5.15 p. m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1890.

DATE.		BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. Cos.	STYLE OF BUILDING.	REMARKS.
Monday	14	247	1 34	.....	538 N. Gay street.....	A. B. Bond.....	Wall-paper store and dwelling.	6.....	1.....	Three-story brick.	Loss $602.33; recall 2 11 a. m.; rats nibbling matches.
Tuesday	15	31	.....	5.07	339 Courtland street..	W. W. Thompson.	Dwelling.....	.....	1.....	Three-story brick.	Loss $152; recall 5.40 p. m.; heat from stove; extinguisher 4 Engine Co.
Wednesday	16	152	.....	5.31	1535 E. Pratt street..	J. C. Feghe.....	Bakery and dwelling.	.....	3.....	Three-story brick.	Loss $290.82; recall 5. 55 p. m.; heat from bake-oven.
Wednesday	16	515	.....	9.35	308 & 310 W. Pratt st..	F. Berger.....	Picture frame manufact'ry	15..... 8 Chemical.	2.....	Three-story brick.	Loss $70; recall 10.10 p. m.; spontaneous combustion.
Thursday	17	24	.....	1.25	445 N. Gay street.....	The building was	being repaired	and fell dow	n.....	.....	Loss none; recall 1.33 p. m.; no one injured.
Thursday	17	258	.....	1.39	1010, 1012 & 1014 Chew street.	Horner & Bros...	Rag and paper warehouse.	.....	1, 5..	Five-story brick..	Loss $10; recall 2.20 p. m.; spontaneous combustion.
Thursday	17	631	.....	4.22	46 & 48 W. West st...	J. Ottenbach.....	Dwelling.....	2.....	6.....	Two-story brick..	Loss $108; recall 5. 06 p. m.; defective chimney.
Thursday	17	624	.....	10.42	1210 S. Sharp street, in the rear.	James Creamer...	Stable.....	2, 12.....	6.....	Two-story brick..	Loss $325; recall Friday, 18th, 1.01 a.m.; unknown.
Saturday	19	68	11.54	.....	Foot of Marshall st...	J. A. Allers & Sons.	Brick-yard....	10.....	6.....	Two frame sheds, 50 by 110 feet.	Loss $5,300; recall 4 p. m.; overheated furnace.
Sunday	20	7	8.45	.....	1522 Battery avenue..	F. Junker.....	Dwelling.....	12.....	6.....	Three-story brick.	Loss $208.23; recall 9. 07 a. m.; explosion of gasoline stove.

Sunday	20	322	.....	12.02	534 N. Paca street....	M. J. Bevans....	Boarding house.	1, 7, 8, 13..	4.....	Three-story brick.	Loss $222.47; recall 12.34 p. m.; sparks from chimney.
Sunday	20	135	.....	3.22½	Foot of Block street..	Applegarth & Son	Lumber- yard	3.....	3.....	Pile of lumber....	Loss $10; recall 3.44 p. m.; incendiary.
Sunday	20	182	.....	4.40	Cor. Burke and Cambridge streets.	Campbell, Zell & Co	Iron foundry and stable.	11.....	3.....	One-story frame..	Loss $40; recall 5.07 p. m.; incendiary.
Monday	21	18	7.50	.....	Foot of Chesapeake st	Brustar & Co.....	Ship-yard.....	5, 11.....	3.....	One-story frame.. Three-mast schooner.	Loss $1,438.54; recall 9.20 a. m.; unknown.
Monday	21	253	.....	12.41	1619 Harford avenue..	J. H. Tabeling...	Carriage-house.	.....	5.....	One-story frame..	Loss $28; recall 1.08 p. m.; unknown.
Monday	21	135	.....	5.43¼	1210 Block street.....	Price & Heald....	Lumber-yard and planing mill.	3.....	1, 3..	Two-story brick..	Loss $40; recall 7.35 p. m.; heat from furnace.
Monday	21	521	.....	8.55	7, 9 & 11 E. Pratt st..	Lerch & Bros....	Harness factory.	.....	.....	Six-story brick...	Loss none; recall 9.05 p. m.; some one saw a light in sixth floor. There was no fire.
Tuesday	22	217	.....	2.47	640 Constitution st...	J. Collins.....	Grocery store and dw'lg.	.....	1.....	Three-story brick.	Loss $45; recall 3.15 p. m.; sparks from chimney; extinguisher 4 and 6 Engine Cos.
Thursday	24	418	.....	5.09	215, 217 & 219 W. Lexington street.	Posner Bros.....	Wholesale and retail notion stores.	1, 2, 4, 7....	1, 2, 4	Five-story brick..	Loss $23,047.18; recall 6.53 p.m.; unknown; about two hundred and fifty people in the stores, no one injured.
2d alarm.		....	.....	5 15				8, 10, 15 ...	5, 6..		
3d alarm.		. ..	.. ...	5.20				6, 8, Chem.			
Thursday	24	43	.....	10.38	640 W. Lombard st...	M. Ament & Co..	Hay pck'g est.	1, 2, 7, 8....	2, 4..	Three-story brick.	Loss $1,785.42; recall Friday, 25th, 1.55 a. m.; unknown.
2d alarm.		....	.....	10.44	652 Cider alley.....	Isaac Moore.....	Dwelling.....	10, 15..... 8 Chemical.	.. ..	Two-story brick..	
Friday	25	542	. ....	6.34	N. W. cor. Eutaw and West streets.	Wm. Knabe & Co.	Piano manufactory.	.....	6.....	Six-story brick...	Loss $10; recall 6.58 p. m.; heat from machinery.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Friday 25	26	.....	7.32½	746 N. Gay street....	Frank Jordan....	Dwelling.....	.....	5.....	Three-story brick.	Loss $234.68; recall 7.56 p. m.; unknown; extinguisher, 6 Engine Co.
Sunday 27	159	3.04	.....	628 S. Broadway.....	Aug. Buessing...	Saloon and dwelling.	.....	3.....	Three-story brick.	Loss $12.26; recall 3.43 a. m.; gas jet set fire to woodwork; extinguisher, 5 and 11 Engine Cos.
Sunday 27	251	11.31	.....	814 Ensor street.....	Baltimore Waste Co	Baling establishment.	6.....	5.....	Three-story brick.	Loss $5; recall 11.52 a. m.; sparks from chimney.
Thursday 31	54	.....	3.32	127 W. Hill street....	Isaac Levin.....	Tenement house.	2..... 8 Chemical.	6.....	Three-story brick.	Loss $99.25; recall 3.53 p. m., leaking of coal-oil stove.
August.										
Friday 1	473	9.45	.....	328 N. Gilmor street..	H. O'Farrell.....	Dwelling.....	.....	4.....	Three-story brick.	Loss $29.73; recall 10.05 a. m.; children playing with matches; extinguisher 8 Eng. Co.
Friday 1	159	.....	9.12	604 S. Bond street....	John Cohen.....	Notion store and dw'lg, and Synagogue.	.....	3	Four-story brick..	Loss $12.50; recall 9.30 p. m.; candles set fire to drapery on 4th floor.
Sunday 3	425	3.30	.....	10 N. Schroeder street.	M. Bessinger.....	Shoe store and dw'lg.	.....	2.....	Three-story brick.	Loss $39; recall 3.41 a. m.; gas jet set fire to woodwork.
Sunday 3	481	4.25	.....	1931 Frederick ave...	S. Dotterwich....	Cooper shop..	14.....	2.....	Three-story brick.	Loss $38.20; recall 4.52 a. m.; unknown.
Sunday 3	561	.....	11.00	Leadenhall and Stockholm streets.	F. Streckfus.....	Stable.....	2.....	6.....	One-story frame..	Loss $2.20; recall 11.31 p. m.; incendiary.

Monday	4	234	4.06	.....	203 S. Wolfe street ..	F. Semmers.....	Bakery and dwelling.	.....	3.....	Three-story brick.	Loss $36.85; recall 4. 23 a. m.; pan of lard boiling over.
Monday	4	217	.....	5.24¾	Hillen near Front st.	W. M. R. R. Co...	Storage for hay.	6.....	1.....	Box-car.....	Loss $125; recall 6.04 p. m.; spontaneous combustion.
Wednesday	6	242	9.31	.....	557 E. Monument st..	A. Storck & Son..	Planing-mill and sash factory.	.....	.....	Four-story brick..	Loss none; recall 9.43 a. m.; heat of machinery; extinguisher 6 Eng. Co.
Thursday	7	425	9.29	.....	15 Amity street.....	None.....	.....	.....	.....	Three-story brick.	Loss none; recall 9.45 a. m.; defective flue filled the building with smoke.
Thursday	7	151	... ..	11.54	130 S. Caroline street.	R. Montgomery..	Stable	3, 5.....	3.....	Two-story brick..	Loss $259.78; recall Friday, 8th, 12.42 a. m.; spontaneous combustion.
Saturday	9	46	.....	8.10	15.9 W. Baltimore st.	L. V. Wolfe.....	Dwelling.....	14.....	.....	Three-story brick.	Loss none; recall 8.25 p. m.; explosion of coal-oil lamp.
Sunday	10	24	.....	9.09	436 N. Gay street.....	I. Benesch.....	Furniture st'e	4, 6.....	1, 5 ..	Three-story brick.	Loss $1,084.08; recall 10.23 p. m.; unknown.
					438 N. Gay street.....	Mary Kidd.....	Hat store and dwelling.	8 Chemical..		Three-story brick	
Wednesday	13	251	.. ...	9.07	814 Ensor street, in the rear.	Baltimore Waste Co.	Baling est'b..	6.....	5.....	One-story frame..	Loss $70; recall 9.45 p. m.; unknown.
Sunday	17	425	9.15	.....	887 Raborg street....	J. H. Smith.....	Dwelling.....	.....	2.....	Three-story brick.	Loss $5.50; recall 9.28 a. m.; children playing with matches; extinguisher 1 Engine Co.
Sunday	17	68	.....	1.47	Foot of Marshall st...	John Hoffman....	Lime kiln. ..	2, 10, 12....	6.....	Brick kiln.....	Loss $125; recall 2.44 p. m.; hot lime set fire to wood covering.
Sunday	17	233	.....	4.15¾	E. Biddle street and Loney's lane.	W. H. Perot & Co	Brick yard....	9..... 7, 8 Chemical	3.....	Brick kiln.....	Loss $619.04; recall 6. 27 p m.; hot bricks set fire to wood covering.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1890.

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. COS.	STYLE OF BUILDING.	REMARKS.
Monday 18	142	.....	2.12	1021 Eastern avenue..	Mrs. Kate Crozier.	Dwelling.....	.....	3.....	Three-story brick.	Loss $82; recall 2.25 p. m.; explosion of coal-oil stove; extinguisher 3 Engine Co.
Monday 18	264	.....	8.07	1507 E. Monument st.	Henry Danz.....	Bakery and dwelling.	.....	.....	Three-story brick.	Loss $26.90; recall 8.17 p. m.; explosion of coal-oil lamp; extinguisher 9 Engine Co.
Tuesday 19	15	5.49	.....	1612 Eastern avenue..	L. Fruxman and others.	Tenement h's.	.....	3.....	Three-story brick.	Loss $75.60; recall 6.07 a.m.; explosion of gasoline stove.
Friday 22	524	.....	7.15	N. E. cor Conway and Hanover streets	Wehr, Hobelman & Co.	Malt-house of Globe Brewery.	15.....	2.....	Six-story brick...	Loss $75; recall 7.32 p. m.; workman smoking.
Friday 22	415	.....	11.00	312 W. Baltimore st..	J. V. Dennet.....	Eating house.	8 Chemical.	2.....	Four-story brick..	Loss $29.70; recall 11.23 p. m.; heat from furnace.
Saturday 23	524	10.45	.....	Pier 10 Light st. wh'f.	Captain John Wolfard.	Steamboat Chowan.	2.....	6.....	.....	Loss $42; recall 11.19 a. m.; heat from stove pipe.
Saturday 23	62	.....	6.37½	1220 Light street, in the rear.	Wm. Riggin.....	Dwelling.....	.....	6.....	Three-story brick.	Loss $25; recall 6.51 p. m.; leaking of gasoline stove.
Friday 29	484	.....	6.56½	Cemetery lane, near Frederick road, annex.	City of Baltimore.	Stable at H'se of Refuge for Boys.	14..... 1, 2 Chemical.	8.....	Two-story stone..	Loss $2.710.64, recall Saturday, 30th, 3.35½ a. m.; unknown.

September.											
Monday	1	419	8.20	.....	311 W. Saratoga st...	F. E. Stolp.....	Bakery and dwelling.	.....	.....	Three-story brick.	Loss $50; recall 8.35 a. m.; heat from bake-oven; ext inguisher 1 and 7 Engine and 2 H. & L. Cos.
Monday	1	41	.....	7.20	20 E. Baltimore street.	J. S. Hopkins....	Housefurnishing house.	.....	.....	Four-story brick..	Loss $10; recall 7.46 p. m.; reflection of light.
Monday	1	321	.....	11.19	N. W. cor. Franklin st. and Pennsylvania avenue.	C. Fry..... Johns & Co.....	Feed store.... Chewing-gum factory.	1, 7, 8..... 8 Chemical.	4.....	Three-story brick.	Loss $1,072.10; recall Tuesday 2d, 1.02 a. m.; unknown.
Wednesday	3	261	.....	12.47	1412 Anthony street..	George Kirby..	Dwelling.....	9..... 5 Chemical.	5....	Three-story brick.	Loss $154.23; recall 1.41 p. m.; defective chimney.
Thursday	4	424	6.48	.....	748 Vine street.....	S. Edmunds.....	Stable	8..... 8 Chemical	2.....	Two-story brick..	Loss $90; recall 7.41 a. m.; spontaneous combustion.
Friday	5	437	8.40	.....	111 S. Greene street...	L. L. Lloyd.....	Dwelling.....	.....	2.....	Three-story brick.	Loss $37.50; recall 8.52 a. m.; children playing with matches.
Sunday	7	285	.....	7.12	322 Gorsuch avenue, annex.	Frederick Gruff..	Grocery store and dw'lg.	5 Chemical.	.....	Three-story brick.	Loss none; recall 7.35 p. m.; vapor from barrel of gasoline.
Monday	8	143	.....	10.53	1301 E. Pratt street...	M. Stein.....	Grocery store and dwelling.	3.....	3.....	Three-story brick.	Loss $65; recall 11.09 p. m.; explosion of gasoline stove.
Wednesday	10	31	.....	2.03	302, 304 and 306 Pleasant street.	W. P. Harvey & Co.	Meat-packing house.	4, 6.....	1.....	Two-story brick..	Loss $1,215.87; recall 3.33 p. m ; heat from furnace pipe.
2d alarm.		....	.....	2.06							
Wednesday	10	213	.....	3.56	239 N. High street....	A. Rosenberg and others.	Tenement h's.	.....	1.....	Three-story brick.	Loss $37.57; recall 4.14 p.m.; sparks from chimney; extinguisher 6 Eng. Co.
Thursday	11	321	.....	10.20	608 W. Franklin st...	Mrs. O. Ness.....	Boarding-h's.	.....	4.....	Three-story brick.	Loss $36.30; recall 10.32 p. m.; gas jet set fire to curtain.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1890.

Date.		Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks
Friday	12	41	.....	4.10	15 E. Fayette street..	Muth Bros.....	Whol e s a l e drug store	. .....	2. ...	Four-story brick.	Loss none; recall 4.20 p. m.; l i g h t e d match thrown on floor.
Friday	12	251	.....	7.49	816 Ensor street, in the rear.	Baltimore Cotton-Waste Co.	Baling est'b..	6.....	5.....	One-story frame..	Loss $184.57; recall 8. 45 p. m.; unknown.
Saturday	13	53	.....	3.36½	N. E. cor. McHenry and Poppleton sts.	S. Filbert	Office and yard for pate n t pavement.	10.....	.....	One-story frame..	Loss none; recall 3.52 p. m.; overboiling of pitch tank.
Saturday	13	425	.....	6.26	914 W. Fayette street.	M. Lannan.....	Dwelling.....	.....	2.....	Three-story brick.	Loss none; recall 6.37 p. m.; overheated stove.
Monday	15	151	8.00	.....	28 N. Caroline street.	George Newman..	Shoe s t o r e and dwelling.	.....	3. ...	Three-story brick.	Loss $10; recall 8.10 a. m.; explosion of gasoline stove.
Tuesday	16	353	.....	3.34	9 Mt. Royal avenue, annex.	J. Gallagher.....	Stable.....	13..... 3, 4 Chem.	4.....	Two-story frame..	Loss $95; recall 5.11 p. m.; unknown.
Thursday	18	623	.....	6.33	828 S. Charles street..	Henry Faber....	Stove s t o r e and dw'lg.	.....	6.....	Three-story brick.	Loss $20; recall 6.38 p. m.; falling of coal-oil lamp.
Friday	19	483	1.35	.....	Cor. Millington ave. and Lehrman street, annex.	J. Hehrman.....	Barber shop..	14..... 1 Chemical.	8.....	One-story frame..	Loss $331.73; recall 2. 34 a. m.; unknown.
Sunday	21	21	.....	6.35	441 North street.....	McShane & Co....	Bell and brass foundry.	.....	1.....	Two-story brick..	Loss $40; recall 7.34 p. m.; heat from furnace; e x t i n - guisher 4 and 6 Engine Cos.
Wednesday	24	36	... ..	4.19	1214 Patterson avenue	H. W. Warfield...	Dwelling.....	13..... 2 Chemical.	4.....	Three-story brick.	Loss $87.50; recall 4.50 p. m.; mice nibbling matches.

Wednesday	24	183	.....	5.27	S. E. cor. Hudson and Patuxent streets.	Canton Co.....	School house.	.....	3.....	One story frame..	Loss $25; recall 5.51 p. m.; boys playing with fire.
Wednesday	24	249	... ..	7.11	519 E. Madison street, in the rear.	George Young....	Stable.....	6.....	5.....	Two-story brick...	Loss $290.41; recall 8. 25 p. m ; unknown.
Thursday	25	395	10.54	.....	Cold Spring lane, Baltimore county.	Baltimore County Commissioners.	School house.	3 Chemical. 7 Chemical.	9.....	Two-story frame..	Loss $125; recall 12.05 p. m ; overheated stove pipe.
Friday	26	135	6 01	.....	2 Block street.....	Heald & Co.....	Storage house for shavings	3.....	3.....	One-story frame..	Loss $20; recall 6.50 a. m.; unknown.
Saturday	27	531	7.25	.....	749 Ramsay street....	Wm. Cook.....	Dwelling.....	8 Chemical.	2.....	Three-story brick.	Loss $53.10; recall 7. 40 a. m.; unknown; extinguisher 10 Engine Co.
Saturday	27	252	.....	10.57	Preston street near Greenmount ave.	Central Passenger Railway Co....	Car-house and stable containing 80 tons of hay.	.....	.....	Two-story brick, 75 by 240 feet.	Loss $6,085.13; recall Sunday, 28th, 8.06 a. m.; supposed spontaneous combustion
2d alarm.		....	.....	11 01							
3d alarm.		....	.....	1101½							
Monday	29	151	8 29	.....	126 S. Dallas street..	George Bradford.	Dwelling.....	.....	3.....	Three-story brick.	Loss $25; recall 8.50 a. m.; children playing with matches; extinguisher 3 and 5 Engine Cos.
Monday	29	154	.....	3.47½	Wills street near Block street.	Thos. Matthews & Son.	Lumber yard.	5.....	3.....	Pile of lumber....	Loss $20, recall 6.36 p. m.; incendiary
October.											
Wednesday	1	162	3.08	.....	Hooper's wharf, foot of Wolfe street.	Maryland Ice Co	Ice house.....	.....	3.....	One-story frame..	Loss none; recall 3.24 a. m.; unknown; extinguisher 5 Engine Co.
Wednesday	1	295	9.39	.....	2121 St. Paul street, annex.	Oscar Ruckle.....	Dwelling.....	3, 4 Chemical.	7, 5..	Three-story brick.	Loss $739; recall 11.06 a. m.; unknown.
Saturday	4	234	.....	12.59	2004 E Fayette street.	S. Holbag.....	Notion store and dw'lg.	....	3.....	Three-story brick.	Loss $320; recall 2.06 p. m.; children playing with matches; extinguisher 5, 9 and 11 Engine Cos.
Sunday	5	493	.....	5.00	780 Lanvale street, annex.	C. E. Longley....	Dwelling.....	....	.....	Two-story brick..	Loss $10; recall 5.37 p. m.; explosion of gasoline tank.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1890.

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. Cos.	STYLE OF BUILDING.	REMARKS.
Sunday 5	183	.....	8.47	2901 Dillon street....	Victor Bloede....	Stable..... ..	11.....	3.....	One-story frame..	Loss $15; recall 9.10 p. m.; incendiary.
Monday 6	417	7.55	.....	624 Columbia avenue.	None.....	.....	8 Chemical.	2.....	Three-story brick.	Loss $166.15; recall 8. 30 a m; supposed incendiary.
Tuesday 7	145	2.14	.....	1433 E. Baltimore st..	M. Forrest..... .	Notion store and dw'lg.	3.....	3.....	Three-story brick.	Loss $631.30; recall 2. 39 a. m.; gas jet set fire to window.
Tuesday 7	427	6.35	.....	203 to 209 N. Greene st.	Geo. R. Skillman.	Bread, cake & cracker bakery.	.....	.....	Three-story brick.	Loss none; recall 6.43 a. m.; smoke seen coming from window.
Wednesday 8	71	1 56½	.....	Ramsay's wharf, foot of Jones street.	. .....	Schoon'r "Jas. Beech e r," Conn.	12.....	6. ...	Three-masted Schooner.	Loss $300; recall 4.15 a. m.; unknown.
Wednesday 8	157	.....	7.43½	1518 Lancaster strest.	Thomas Brady....	Dwelling.....	5.....	3.....	Three-story brick.	Loss $388.60; recall 8.
				1516 Lancaster street.	Thomas Brady....	Stable.			Two-story brick..	45 p. m.; unknown.
Thursday 9	393	.....	6.15	203 Cedar ave., annex.	J. W. Sindall.....	Dwelling and grocery st'r.	3, 4,7 Chemical.	9.....	Three-story brick	Loss $160; recall 7.25 p. m.; explosion of coal-oil can, vapor taking fire from a light.
Sunday 12	714	3.09	.....	Foot of Webster st....	Cahill & Sons.....	Ship yard....	2, 10, 12.... 15.	2, 6...	Steamboat "John E. Teggert."	Loss $13,772; recall 6.
2d alarm.	....	3.19	.....							51 a. m.; unknown.
Wednesday 15	32	10.58	.....	207 St. Paul street.. .	J. H. B. Latrobe..	Offices.....	4, 8 Chemical.	2.....	Four-story brick.	Loss $139.62; recall 11. 21 a. m.; unknown.
Wednesday 15	46	.....	6.48	14 Vincent alley.....	None.....	.....	.....	.....	Two-story brick.	Loss $10; recall 7.04 p. m.; boys set fire to rubbish in a cupboard; extinguisher 14 Engine Co.

Thursday	16	436	8.41	.....	34 S. Paca street.....	Heiser & Co.....	Shoe factory.	.....	.....	Six-story brick...	Loss none; recall 8.51 a. m.; cock was blown out of the boiler and filled the room with steam.
Thursday	16	342	.....	11.30	1219 Maryland avenue.	G. H. Emmons...	Harness factory.	7, 13..... 3 Chemical.	4.....	Three-story brick.	Loss $850; recall Friday, 17th, 1.10 a.m.; unknown.
Saturday	18	171	9.16	.....	2204 Boston street....	P. Rasmussen, Jr. & Co.	Paint and oil store, and dwelling.	5, 11.....	3.....	Three-story brick.	Loss $2,299.46; recall 10.26 a. m.; spontaneous combustion; family taken out by No. 3 Truck Co.
Wednesday	22	217	.....	6.46	834 N. Front street, in the rear.	Henry Moyer.....	Meat shop....	3, 4, 6, 9	1, 5...	Two-story brick..	Loss $632.22; recall 8.29 p. m ; unknown.
Thursday	23	484	4.14	.....	Frederick road, annex.	City of Baltimore.	Stable at H'se of Refuge.	14..... 1 Chemical.	8.....	Two-story frame..	Loss $933.50; recall 7.00 a. m.; unknown; four cows and two horses burned to death.
Thursday	23	163	7.01	.....	10 N. Castle street....	Joseph Krug.....	Dwelling.....	.....	3.....	Three-story brick.	Loss $5; recall 7.17 a. m.; explosion of coal-oil stove.
Thursday	23	257	10.30	.....	938 E. Preston street.	Wm. Leinz.....	Dwelling.....	5 Chemical.	5.....	Three-story brick.	Loss $250; recall 11.10 a. m.; defective flue; extinguisher 6 and 9 Engine Cos.
Thursday	23	242	.....	4.18	732 Greenmount ave..	D. C. Reardon. ..	Saloon and dwelling.	6.....	.....	Three-story brick.	Loss $25; recall 4.28 p. m.; foul chimney.
Saturday	25	32	.....	10.34	311 St. Paul street, 40 by 128 feet.	Schneider & Fuchs	Picture frame manufact'y.	1, 2, 3, 4, 5, 7, 8, 13, 15.	1,2,4,5	Four-story brick..	Loss $21,620.59; recall Sunday, 26th, 2.50 a. m.; unknown.
2d alarm.		....	.....	10.37							
3d alarm.		....	.....	10.42							
Sunday	26	361	.....	3.36	238 Pearl street.....	A. Trautman.....	Dwelling.....	.....	2.....	Three-story brick.	Loss $55; recall 4.00 p. m.; overheated stove.
Monday	27	313	.....	1.45	410 Courtland street..	Mother M. Elizabeth.	St. Elizabeth Home, col'd	....	.....	Three-story brick.	Loss none; recall 2.00 p. m.; boy set fire to old paper.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Monday 27	517	.....	10.10	Foot of Bayard street.	Swindell Bros....	Packing h'se for glass'wr, ma'chu shop	2, 8, 10, 15.	6.....	Two-story frame. Three-story brick.	Loss $2,160; recall Tuesday, 28th, 4.51 a. m.; sparks from furnace.
Tuesday 28	382	8 05	.....	919 W. North avenue.	Joseph Knell	Dwelling.....	2 Chemical.	4.....	Three-story brick.	Loss $188.58; recall 8. 27 a. m.; foul chim.
Tuesday 28	383	.....	11.05	1810 Etting street....	R. Gregory.....	Dwelling.....	2 Chemical.	4.....	Two-story brick..	Loss $162; recall 11.30 a. m.; children playing with matches.
Tuesday 28	26	.....	12.22	804 N. Gay street.....	Charles Ving.....	Restaurant and dw'lg.	.....	5.....	Three-story brick	Loss $40; recall 12.35 p. m.; overheated stove; extinguisher 6 and 9 Engine Cos.
Tuesday 28	422	.....	1.55	304 E. Baltimore st...	James Young.....	Printing office	4, 8 Chemical.	1.....	Three-story brick.	Loss $632.09; recall 3. 23 p. m.; unknown.
Wednesday 29	246	1.09	.....	1100 E. Madison st....	A. Goldstein.....	Tenement h's.	6, 6 Chemical.	5.....	Three-story brick.	Loss $817.82; recall 2. 15 a. m.; explosion of coal-oil lamp.
Thursday 30	321	4.01	.....	601 Pennsylvania ave.	W. J. Daniel.....	Restaurant and dw'lg.	.....	4.....	Two-story brick and attic.	Loss $495.66; recall 4. 21 a. m.; lighted match thrown behind the bar; extinguisher 1, 7 and 8 Engine Cos.
Friday 21	14	4.34½	.....	1016 Granby street....	R. Habewick.....	Pottery-ware manufact'y.	3..... ...	1.....	Three-story brick.	Loss $213; recall 5.11 a. m.; heat from furnace.
Friday 31	493	5.21	.....	Lanvale street ext'd, annex.	Hebrew Beneficial Society.	Orphan Asylum hot h's	....	.....	One-story frame..	Loss $225; recall 5.52 a. m.; overheated stove pipe; employees in service.

November.											
Saturday	1	182	9.24	.....	2804 Boston street....	C. A. Miller.....	Restaurant & dwelling.	.....	3.....	Three-story brick.	Loss $215.90; recall 10. 10 a. m.; defective flue; extinguisher 5 and 11 Engine Cos.
Saturday	1	81	.....	2.40	210 W. Balto. st.....	Wirts, Biedler & Co.	Wholesale dry goods store.	.....	.....	Four-story brick..	Loss none; recall 2.51 p. m.; "Thermostats" becoming disconnected.
Sunday	2	156	.....	10.41	1732 Thames st.....	J. J. Arnold..... T. Weitseck.....	Grocery store. Boarding house.	5, 11.....	3.....	Four-story brick..	Loss $951.93; recall 11. 45 p. m.; unknown.
Monday	3	368	.....	1246½	806 Pierce street, in the rear.	Peter Dorsey.....	Stable.....	.....	4.....	One-story frame..	Loss $15.00; recall 12. 59½ p. m.; boy set fire to hay.
Monday	3	493	.....	6.00	715 Rayner ave., annex	E. Townsend.....	Chicken house	.....	.....	One-story frame..	Loss $5.00; recall 6.25 p. m.; unknown.
Tuesday	4	4	3.06	.....	201 E. Balto. st.....	B. C. Pass. R. W. Co.	Offices	8 Chemical. 4.....	1.....	Six-story brick...	Loss $293.90; recall 3. 50 a. m.; gas jet set fire to shelving.
Friday	7	24	1.02	.....	360 N. Gay street. ...	John Black..... M. Millman.....	Hardw'e store Tailor shop..	6.....	1....	Three-story brick.	Loss $77.95; recall 1.54 a. m.; heat from fire in grate.
Saturday	8	483	6.40	.....	426 Frederick ave. in the rear, annex.	Vogt Bros.....	Pickling ho'se	14..... 1 Chemical.	2, 8..	One-story frame..	Loss$421.45; recall 8.24 a. m.; unknown.
Saturday	8	493	11.50	.....	Calverton road, annex.	M. H. Marcus & Bro.	Quilt works..	14..... 1, 2 Chem.	8.....	One-story brick..	Loss$119.50; recall 2.51 p.m.; friction of machinery.
Saturday	8	513	. ....	11.53	106 S. Sharp st.....	J. J. Thompson..	Storehouse for drugs.	2, 15..... 8 Chemical.	2.....	Four-story brick..	Loss $541.30· recall 1. 10 a.m.,Sunday, 9th; unknown.
Monday	10	541	10 50	.....	946 S. Eutaw st.....	E. Wettly.....	Dwelling.....	.....	.....	Three-story brick.	Loss $10.00; recall 11. 03 a. m.; children set fire to a mattress; exting. 2 Engine Co.
Monday	10	323	.....	6.50	615 W. Townsend st..	E. J. Dillon.....	Dwelling.....	13.....	4.....	Three-story brick.	Loss $374.86; recall 7. 55 p. m.; defective flue.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1890.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Tuesday 11	175	.....	12.44	303 Collington av.....	James Gibson....	Dwelling.....	.....	3.....	Two-story brick..	Loss $1.00; recall 12. 56 p. m.; overheated stove; extinguisher 11 Engine Co.
Tuesday 11	473	.....	1143½	401 N. Stricker st.....	S. Hacker.....	Notion store and dwel'g.	8, 13, 14.... 2 Chemical.	4, 8..	Three-story brick.	Loss $1,650; recall 1. 29 a. m., Wednesday, 12th; unknown. Ladderman Geo. W. Popp, of No. 4 Truck Co., was killed by being run over with the truck when responding.
Wednesday 12	62	.....	6.53	1034 S. Charles street, in the rear.	F. Black	Stable & storage for coal oil.	.....	6.....	One-story frame..	Loss none; recall 7. 03 p. m.; lantern fell and set fire to loose hay.
Wednesday 19	614	6.05	.....	239 Grinnell st.....	W. H. Ashton....	Dwelling.....	.....	6.....	Three-story brick.	Loss $147.51; recall 6. 30 a. m.; overheated stove pipe; exting. 12 Engine Co.
Wednesday 19	56	.....	5.43	116 Colman st.....	Peter Bitner.....	Dwelling.....	.....	6.....	Two-story brick..	Loss none; recall 5. 50 p. m.; explosion of coal oil stove.
Thursday 20	262	9.10	.....	1318 N. Broadway.....	C. C. Brashears...	Notion store and dwel'g.	.....	5.....	Three-story brick.	Loss $130.55; recall 9. 25 a. m.; overheated stove; extinguisher 9 Engine Co.

Thursday	20	514	.. ...	1.59	210 S. Eutaw st.....	A. Eidman.....	Dwelling.....	8 Chemical.	2.....	Two-story brick and attic.	Loss $296.50; recall 2. 45 p. m.; defective chimney; extings. 1, 2 and 15 Eng. Cos.
Thursday	20	415	.....	2.10	317 W. Balto. st.....	J. M. Keeler.....	Tailor shop..	.....	1, 4.	Four-story brick..	Loss $600; recall 3. 04 p. m.; overheated stove; extinguishers 1, 2, 7, 8, 10 and 12 Engine Cos.
						J. Gordon.....	Wh'le cloth'r.				
						J. Hebner.....	Cloth dealer.				
Thursday	20	53	.....	4.35	788 Columbia ave.....	G. Kammer	Stable.....	2, 10..... 8 Chemical.	6.....	One-story frame..	Loss $813.74; recall 5. 30 p. m.; unknown; one mule burned to death.
Thursday	20	168	.....	6.02	2014 Aliceanna st.....	A. Weiskettle & Co.	Iron foundry..	.....	3.....	Two-story brick..	Loss $10.00; recall 6. 20 p. m.; sparks from furnace.
Friday	21	251	.....	6.33½	904 Ensor st.....	Baltimore Cotton Waste Co.	Storage warehouse.	.....	5.....	Three-story brick.	Loss $15.00; recall 7. 03 p. m.; unknown.
Sunday	23	217	4.45	.....	602 & 604 Buren st.....	Barry & Bros.....	Soap factory..	3, 6.....	1, 5..	Two-story brick..	Loss $192.97; recall 5. 54 a. m.; sparks from furnace.
Sunday	23	136	6.35	.....	Mill street and Chestnut alley.	J. C. Norris.....	Flour mill ...	1, 2, 3, 4, 5. 6, 7, 8, 9, 10. 11, 12.	1,2,3,5	Four-story brick..	Loss $19,151.65; recall 10.40 a.m.; unknown.
2d alarm.	....	6.43	.....								
General.	....	6.47	.....								
Monday	24	253	1.03	.....	1414 Central ave.....	G. W. Hinkle	Dwelling.....	5 Chemical.	5.....	Three-story brick.	Loss $381.65; recall 1. 36 a. m.; defective flue.
Tuesday	25	382	.....	1.39½	2339 Madison avenue, annex.	W. E. Dyott	Dwelling.....	13..... 2 Chemical.	4.....	Three-story brick.	Loss $173.76; recall 2. 18 p. m.; children playing with match's
Tuesday	25	145	.....	4.32	1145 E. Balto. st.....	A. J. Kuhan	Shirt factory and dw'lg.	.....	3.....	Three-story brick.	Loss $245; recall 5. 10 p. m.; overheated stove; extinguisher 3 and 5 Eng. Cos.
Wednesday	26	162	3.20	.....	1806 Thames st.....	E. H. Frazier.....	Machine shop.	2, 3, 4, 9, 11.	1, 3..	Three-story brick.	Loss $5,172.24; recall 7. 47 a. m.; unknown.
2d alarm.	....	3.37	.....		1808 Thames st.....		Hay bal'g est.	5, 6, Chem.	.....	Three-story brick.	
Wednesday	26	473	6.24	.....	441 N. Vincent st.....	George Fisher....	Grocery store and dwl'g.	8, 13.....	4.....	Two-story brick..	Loss $78.50; recall 6. 57 a. m.; falling of a coal oil lamp.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1890.

DATE.		BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. COS.	STYLE OF BUILDING.	REMARKS
Wednesday	26	435	.....	12.17	Pratt & McHenry sts.	Hayward & Bartlett.	Machine shop.	.....	.....	Two-story brick..	Loss none; recall 12.30 p. m.; disarrangement of wires.
Thursday	27	168	.....	5.21½	1926 Aliceanna st.....	F. Duncan	Eating saloon and dwel'g.	.....	3.....	Three-story brick.	Loss $87.40; recall 5. 37 p. m.; explosion of coal oil stove.
Friday	28	397	.....	3.37	Cedar ave., annex	Estate of Harrison Garrett.	Woods	3, 7 Chem..	.....	.....	Loss none; recall 4. 42 p. m.; boys set fire to brush.
Saturday	29	495	.....	2.25	Windsor Mill road, annex.	W. P. Kirk	Kitchen and storehouse.	2 Chemical.	.....	Two-story frame.	Loss $140; recall 4. 17 p. m.; overheated stove.
Saturday	29	357	7.11	.....	Park ave. & Preston street.	Belt Line R.R. Co.	Storehouse ...	7.....	4.....	One-story frame..	Loss $45.00; recall 7. 35 a. m.; unknown.
Saturday	29	152	.....	3.22½	105 S. Broadway.....	S. Bevans	Dwelling.....	.....	3.....	Three-story brick.	Loss $30.75; recall 3. 40 p. m.; overheated stove.
Saturday	29	431	.....	10.58	831 Lemon st.....	Geo. Pumphrey...	Dwelling.....	.....	2.....	Three-story brick.	Loss $20.00; recall 11. 12 p. m.; falling of a coal oil lamp; exting. 15 Eng. Co.
Sunday	30	13	10.27	.....	N. E. cor. Mill st. & Eastern ave.	R. L. Smith & Co.	Tin-can fac'ty.	3.....	1.....	Two-story brick, 60 by 180 feet.	Loss $75.00; recall 11. 07 a. m.; unknown.
December.											
Monday	1	171	.....	9.59	2107 Eastern ave.....	Steinbach & Co...	Toy factory...	2, 3, 4, 5, 6,	1, 3..	Four-story brick..	Loss $5,905; recall 1. 15 a. m., Tuesday, 2d; overheated st've.
2d alarm.		....	.....	10.03		Luke Swift..	Feed store....	9, 11, 15.			
Tuesday	2	431	9.55	.....	735 W. Pratt st.....	H. Seebach.....	Saloon and dwelling.	.....	.....	Three-story brick.	Loss 10.00; recall 10. 08 a. m.; defective chimney.

Wednesday	3	218	6.17	.....	7, 9, 11 & 13 S. High street.	Edward Gardner..	Hotel and restaurant.	3.....	1, 3..	Four story brick..	Loss $619.92; recall 7. 35 a. m.; sparks from furnace.
Friday	5	418	.....	8.03	200 W. Lexington st..	W. H. Cullimore..	Stationery st'e	.....	2.....	Three-story brick.	Loss $520.20; recall 8. 29¾ p.m.; overheated stove pipe; extinguisher 1 and 7 Engine Cos.
Saturday	6	432	.....	10.35	N. E. cor. McHenry & Poppleton sts.	Isaac S. Filbert ..	Artific'l stone manufact'y.	10.....	2.....	One-story frame..	Loss $20.00; recall 11. 03 p. m.; incendiary.
Sunday	7	512	.....	7.31½	118 S. Charles st.....	Wm. A. Schutze & Co.	Commission store.	8 Chemical.	2.....	Three-story brick.	Loss $25.00; recall 7. 47 p. m.; unknown.
Sunday	7	235	.....	7.57½	624 N. Chester st.....	Morris Weinberg.	Shoe store ...	9.....	3.....	Three-story brick.	Loss $772.60; recall 8. 52 p. m.; overheated stove.
Monday	8	713	3.07	.....	1438 Cooksie st.....	Patrick Meehan..	Dwelling.....	.....	.....	Two-story brick..	Loss $50.00; recall 3. 35 a. m.; incendiary; extinguishers 12 Engine and 6 H. & L. Cos.
Monday	8	713	4.05	.....	1438 Cooksie st.....	Patrick Meehan..	Dwelling.....	12.....	6.....	Two-story brick..	Loss $443.50; recall 5. 39 a. m.; incendiary.
Monday	8	514	4.33	.....	N. E. cor. Paca and Camden sts.	W. H. Fields.....	Saloon and dwelling.	.....	.....	Three-story brick.	Loss $230.99; recall 4. 50 a. m.; unknown; extinguishers 1, 15 and 8 Chem. Eng. and 2 H. & L. Cos.
Monday	8	483	.....	5.00	6 Stinson st., annex..	Jacob Wittich....	Smoke-house.	1.....	8.....	Two-story brick..	Loss $179; recall 6. 21 p. m.; meat falling on the fire.
Tuesday	9	181	.....	5.21½	3001 O'Donnel st.....	Henry Schneider.	Notion store and dwel'g.	.....	3.....	Three-story brick.	Loss $369.15; recall 5. 49 p. m.; gas jet set fire to goods in window; exting. 11 Eng. Co.
Tuesday	9	25	.....	11.03	1044 Greenmount ave.	W. F. Gohl	Stable.....	6, 7, 9.....	5.....	Two-story brick..	Loss $296.36; recall 12. 06 a. m.; heat from bake oven adjoining.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1890.

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. COS.	STYLE OF BUILDING.	REMARKS.
Wednesday 10	318	12.20	.....	9 E. Lexington st.....	M. Murphy ..... George Lycett....	Dwelling..... Book store.	8 Chemical.	1, 2..	Four-story brick..	Loss $224 94; recall 1. 12 a. m.; overheated stove; extin. 4 and 15 Engine Cos.
Thursday 11	326	.....	10.05	1643 Penna. ave..	Wm. Bush	Cigar store and dwel'g.	.....	4.....	Three-story brick.	Loss $300; recall 10. 33 p. m.; overheated stove.
Friday 12	452	.....	7.20	116 N. Vincent al.....	George Talbot ...	Dwelling....	.....	.....	Three-story brick.	Loss none; recall 7.37 p. m.; foul chimney.
Saturday 13	12	11.57	.....	410 Second st.....	J. P. Scinbach....	Tailor shop & dwelling.	.....	1.....	Two-story brick..	Loss none; recall 12.27 p. m.; sparks from furnace.
Saturday 13	32	.....	7.39¼	118 Beaufort st.....	Brown & Smith ..	Carpenter shp	4.....	2.....	Two-story brick..	Loss $50; recall 8.32 p. m.; sp'ks from stove.
Sunday 14	434	2.11	.....	50 Stockton alley, in the rear.	Dennis Lawrence.	Wood & store-house.	8, 14.....	2.....	One-story frame..	Loss $60; recall 3.01 a. m.; unknown.
Sunday 14	248	2. 39½	.....	398 N. Holliday st.....	John McIntyre ...	Saloon and dwelling.	....	.. ..	Three-story brick.	Loss none; recall 2.33 a.m.; reflection from stove.
Sunday 14	465	3.35	.....	2021, 2023 & 2025 W. Pratt st., in the rear.	J. H. Schaffer & Co.	Slaughter in g est., cellar & ice house.	8, 14..... 1 Chemical.	2, 8..	Two-story brick... Two-story brick... Two-story brick...	Loss $716.76; recall 5. 18 a. m.; unknown.
Sunday 14	241	.....	7.24½	228 N. Gay st.....	Wm. Morrison ...	Hardw'e store and dwell'g.	.....	1.....	Three-story brick.	Loss $42.67; recall 7.38 p. m.; explosion of coal oil lamp.
Monday 15	62	.....	6.06	1042 S. Charles st.....	G. Hahn	Floral design store.	....	6.....	Three-story brick.	Loss $73.30; recall 6.30 p. m.; gas jet set fire to goods in window.
Tuesday 16	394	.....	7.37	Hampden ave., annex..	M. Hantske	Storage ware-house.	3, 4, 7 Chem.	9.....	Two-story frame..	Loss $90; recall 8.40 p. m.; overh'ted stove.

Tuesday	16	292	.....	9.46	Old York road, Waverly, annex.	Rev. F. H. Stabbs.	Parsonage Epis. Chur.	.....	7.....	Three-story stone.	Loss $20.00; recall 10.09 p. m.; matches being ignited.
Tuesday	16	235	.....	11.46	613 Duncan Place.....	Annie Conhardt..	Millinery st'e and dwell'g.	9.....	3.....	Two-story brick..	Loss $417.76; recall 12.30 a.m., Wednesday, 17th; overheated stove.
Wednesday	17	394	8.52	.....	Sycamore ave., Woodberry, annex.	Robert Barrier ...	Dwelling.....	.....	9.....	Two-story frame..	Loss $15; recall 9.16 a. m.; overheated st've
Thursday	18	394	7.08	.....	Roland avenue and Third st.	A. Allen	Stable	3, 7 Chem ..	9.....	Two-story frame..	Loss $85; recall 7.50 a. m.; unknown.
Friday	19	292	.....	4.40	1400 Barclay st.....	Jeff. Thompson ..	Dwelling.....	4 Chemical..	7.....	Two-story frame..	Loss $105; recall 5.19 p. m ; children playing with matches.
Sunday	21	293	5.00	.....	Chestnut Hill avenue, annex.	J. Fishinger	Florist hot -	3, 4, 5 Chem.	7.....	One-story frame, 200 feet long.	Loss $653.62; recall 7.27 a. m.; overheated furnace.
Monday	22	251	.....	7.51	904 & 906 Ensor st....	Baltimore Waste Co.	Baling estab..	6.....	.....	Three-story brick.	Loss $5; recall 8.03 p. m.; unknown.
Monday	22	346	.....	8 19	810 Madison ave.....	M. A. Leuteback.	Boarding h'se.	.....	.....	Three-stork brick.	Loss $390; recall 8.43 p. m.; explosion of coal oil tank.
Wednesday	24	296	.....	3.49	E. St. Paul st., annex.	Peabody Heights Co.	Woods.....	.....	.....	.....	Loss none; recall 4.11 p. m.; boys set fire to grass and brush.
Thursday	25	215	8.59	.....	1106 Douglas st.....	Louis Greenfeld..	Notion store and dwell'g.	6.....	1.....	Three-story frame.	Loss $397.87; recall 10.30 a. m.; overheated stove pipe.
Thursday	25	318	.....	12.35	221, 223, 229 & 231 N. Charles st.	Masonic Fraternity.	Meet'g rooms.	1, 2, 3, 4....	1, 2..	Three-story marble front.	Loss $; recall 10.38 p. m.; unknown.
2d alarm.		.....	.....	12.43				5, 6, 7, 8....	4, 5..		
3d alarm.		.....	.....	12.50		J. A. Forepaugh..	Theatre.....	9, 10, 12....	6.....		
Friday	26	535	6.30	.....	Cor. Wooster and James sts.	None	Not finished..	10.....	.....	Three-story brick.	Loss $35; recall 7.00 a. m.; party built a fire in the second story.
Sunday	28	292	9.20	.....	1165 York road, annex.	J. Trasinger	Dwelling.....	.....	7.....	Two-story brick..	Loss $25; recall 9.50 a. m.; overh'ted stove.

RECORD OF FIRES AND ALARMS EOR THE YEAR ENDING DECEMBER 31, 1890.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Cos.	Style of Building.	Remarks.
Monday 29	21	6.57	.....	Holliday & Saratoga streets.	J. Regester & Sons	Brass and bell foundry.	.....	.....	Five-story brick..	Loss none; recall 7.01 a.m.; smoke coming from window.
Monday 29	365	7.37	.....	929 Argyle ave.....	James Ward	Dwelling.....	.....	4.....	Three-story brick.	Loss $135; recall 7.50 a. m.; decorations of Christmas tree taking fire.
Monday 29	352	.....	3.27¾	1533 Linden ave.....	R. W. Gail	Dwelling.....	.....	.....	Three-story brick.	Loss $5; recall 3.03 p. m.; defective flue.
Tuesday 30	383	.....	5.27	1907 Etting st.....	Z. Rominco.....	Dwelling.....	.....	4... .	Three-story brick.	Loss $175; recall 5.52 p. m.; children playing with matches.
Tuesday 30	349	.....	10.41	N. W. cor. North and Oak sts., annex.	H. F. Hoff.....	Grocery store.	3 Chemical.	.....	Three-story brick.	Loss $10.00; recall 11. 16 p. m.; overheated stove.
Wednesday 31	56	10.40	.....	140 Hamburg st	H. Williams.....	Dwelling.....	.....	6.....	Three-story brick.	Loss $23.00; recall 10. 54 a. m.; defective flue.
					39					

Total Fires and Alarms..... 401—Loss..... $

Total Silent Fires and Alarms..... ..... 193—Loss..... 6,962.02

Total..... 594 Total..... $

REPORT

—OF THE—

SUPERINTENDENT

Police and Fire Alarm Telegraph.

REPORT.

BALTIMORE, January 1st, 1891.

To the Honorable Board of Fire Commissioners.

GENTLEMEN:

In submitting my report of extensions, alterations, improvements and general condition of this Department during the year ending December 31st, 1890, it is particularly gratifying to state that, notwithstanding the increased number of alarms, every one was promptly and correctly transmitted to the Fire Department.

Below is given a monthly statement of the principal work done:

January.—Re-run wires at Box 128; moved Box 213 from High and Low streets to Front and Low streets, at the request of property owners; placed gong in residence of Dr. Hill, elected Physician to Fire Department.

February.—Put Box 515 in service at No. 15 Engine House; changed wires at Bethel and Gough streets to new pole furnished by Telephone Company; put gong in residence of Captain Dunn in Annex; run No. 2

Alarm, Independent and Telephone Circuits to Commissioner May's residence, and connected same.

March and April.—No work worthy of mention was done during the months of March and April.

May.—Put up six thirty-five foot poles on Block street and removed old ones; two thirty-five foot on Thames street, between Wolfe and Ann streets; one thirty-five foot on Bond street, between Thames street and Eastern avenue; fourteen thirty-five, twelve forty, two forty-five and two fifty foot on Eastern avenue, between Patterson Park avenue and Concord street; one forty-five foot Marsh Market Space and Lombard street; one forty-five foot at Lombard and Concord streets; two forty-five and one fifty on Exeter street, between Baltimore and Lombard streets; two thirty-five on Central avenue, between Baltimore and Lombard streets; seven forty foot on Pratt street, near Broadway; one thirty-five, one forty and four forty-five on Wolfe street, between Fayette and Pratt streets; two thirty-five and three forty on Washington street, between Bank and Aliceanna streets; eight thirty-five foot on Mullikin street, between Central avenue and Bethel streets; one thirty-five foot Aisquith and Douglas streets; seven forty-five foot on Mulberry street, between Pearl street and Clinton avenue; twenty-three thirty-five and three forty-five foot on Boundary avenue, between Belair and Harford avenues; five thirty-five, five forty-five, one fifty, one fifty-five and one sixty foot on Harford road, between Boundary and

Gorsuch avenues; eleven thirty-five foot on lane west of Harford road, between Jenkins' lane and Boundary avenue; one forty at Jenkins' lane and Harford road; twenty-six forty, three fifty, two fifty-five and two sixty foot on Gorsuch avenue, between York and Harford roads; twenty-nine thirty-five and six forty foot on Boundary avenue, between Pennsylvania avenue and McMechin street; nineteen thirty-five foot on Hargrove alley, between Boundary and Huntingdon avenues.

June.—Moved wires from hay-loft in No. 13 Engine House. Put up nineteen thirty-five foot poles on Merryman's lane, between York road and Charles Street avenue; fourteen thirty-five and one forty-five foot on Charles Street avenue, between Merryman's lane and Waverly avenue; nine thirty-five on Dillwood avenue, between Falls road and Sycamore avenue; two thirty-five foot on Sycamore avenue, between Dillwood and Union avenues; three thirty-five and three forty on Union avenue, between Sycamore avenue and Northern Central Railway; seven thirty-five on Elm avenue, between Hickory and Cedar avenues; ten thirty-five on Cedar avenue, between Elm and Remington avenues; twelve thirty-five foot on Ensor street, between Oliver street and Broadway; ten thirty-five on Boundary avenue, between Ensor street and Greenmount avenue; three forty-five foot on Greenmount avenue, between Pinckney Place and Lanvale street; twenty-three thirty-five and one forty foot on Bloomingdale road, between Lafayette and Boundary avenues; one forty

and one fifty foot on Gorsuch avenue, between old and new York roads; six thirty-five foot in grounds of Bayview Asylum; three forty foot on Pine street, between Mulberry and Josephine streets; one forty-five foot on Merryman's lane and Falls road.

July.—Changed Assistant Engineer Murphy's gong from old to new residence on Mulberry street, near Pearl. Extended Telephone Circuit to Chemical Companies 3, 4, 5 and 7, as follows: from Central avenue and Hoffman street, along Central avenue to Harford avenue, to Harford road, to Gorsuch avenue, to York road, to Merryman's lane, to Falls road, to Fourth street, to Roland avenue, to Elm avenue, to Cedar avenue, to Boundary avenue, to Remington avenue, to Huntingdon avenue, to Morton alley, to Fifth street, thence to No. 3 Chemical Engine House. Extended Circuit 15 from Central avenue and Monument street to Patuxent street, to Mine Bank lane, to Belair road, to No. 6 Chemical Company, to Georgetown, back to Belair road, to Preston street, where circuit was completed. Extended 16 and 28 Circuits from Belair avenue and Boundary, along Boundary avenue to Harford road, to Gorsuch avenue, to York road, to Boundary avenue, to Ensor street, to Oliver street, to No. 5 Truck House, to Harford avenue, to Hoffman street, where circuit was completed. Extended Independent Circuit from Boundary avenue and Gay street to No. 5 Chemical Company, to Superintendent Dunn's residence, to No. 4 Chemical Company, to No. 7 Chemical Company, thence to No. 3 Chemical

Company, over the following route: Boundary avenue and Harford road, along Harford road to Gorsuch avenue, to York road, to Merryman's lane, to Falls road, to Fourth street, to Roland avenue, to Elm avenue, to Cedar avenue, to Remington avenue, to Huntingdon avenue, to Morton alley, to First street, to Lovegrove alley, to Boundary avenue, to Ensor street, to Oliver street, to No. 5 Truck, where circuit was completed. Extended No. 3 Alarm Circuit from Belair avenue and Gay street to No. 5 Chemical Company, to Superintendent Dunn's residence, to No. 3 Chemical Company, to Broadway, to Boundary avenue, to Harford road, to Gorsuch avenue, to York road, to Boundary avenue, to Ensor street, to Oliver street, to No. 5 Truck House, where circuit was completed. Extended No. 2 Alarm Circuit from St. Paul and Madison streets to Hargrove alley, to Read street, to Davis street, to Mt. Royal avenue, to Morton alley, to Oliver street, to Charles Street avenue, to Boundary avenue, to Lovegrove alley, to Huntingdon avenue, to St. Paul street, to Waverly avenue, to Charles Street avenue, to Merryman's lane, to Falls road, to Fourth street, to Roland avenue, to Cedar avenue, to Remington avenue, to Huntingdon avenue, to Morton alley, to First street, to Oak street, to Boundary avenue, to Pennsylvania avenue, where circuit was completed. Extended 13 and 27 Circuits from Boundary avenue and York road along Boundary avenue to Lovegrove alley, to Huntingdon avenue, to St. Paul street, to Waverly avenue, to Charles Street avenue, to Merryman's lane, to Falls road, to Fourth sreet, to Ro-

land avenue, to Elm avenue, to Cedar avenue, to Remington avenue, to Huntingdon avenue, to Morton alley, to Boundary avenue, to Charles Street avenue, where circuit was completed. Put Box 433 in Winans' mansion, Hollins street. Put gong in residence of Mr. Holloway, on Preston street. Run independent and telephone wires into No. 3 Chemical, No. 4 Chemical, No. 5 Chemical, No. 7 Chemical and Superintendent Dunn's residence. Put small gong in each of the Engine Houses mentioned.

September.—Put in service Box 168 for Miners' and Merchants' Transportation Company; changed gong at No. 5 Truck House; changed Box 436 from northeast to southeast corner Paca and Lombard streets—in way of new building.

October.—Put new doors on Box 342, broken by police officer, who could not open door to sound alarm of fire.

November.—Put gong in residence of Mr. Richardson, of Salvage Corps; put in new cords and fixed telephone at No. 8 Engine House; moved pole corner Lombard and Exeter streets—in way of Traction Company.

December.—Moved pole corner Fremont and Cross streets—in way of sewer; repaired Marine Hospital line along Walker's Pavilion shore—washed away by high tides; repaired all circuits damaged by storm which commenced Christmas night.

CONDITION OF LINES.

The lines of this Department were never in better condition than at present. Copper wire has been substituted for the old iron throughout the entire City, including Annex.

The wisdom of this change can be better appreciated when a comparison is made between the service of the Telegraph System before and since the improvement. The remarkable record of the past year, which shows that while the alarms increased in number, that not a single mistake or failure of machinery occurred, is its strongest endorsement.

EXTENSION OF LINES.

During the year the several circuits (as mentioned in monthly statement) were extended to the Engine and Hook and Ladder Companies located in the Annex, placing them on our regular fire alarm wires and giving them all the advantages of our improved system.

The completion of this work, which was commenced during 1889, must result in saving life and property, as all alarms are now transmitted from the box to the Fire Department direct.

The scarcity of alarm boxes in this section of our City necessarily causes the loss of much time between the discovery of fire and reaching nearest box, making every minute saved to the Department very valuable.

The lines have also been extended to the points mentioned elsewhere, to place in service fourteen additional boxes, twelve of which were per resolutions of the Council, and two for private individuals who paid for the box.

UNDERGROUND WIRES.

For several years past I have urged upon our Legislative Branches of the City Government the necessity of adopting such measures as would lead to the placing of all wires, carrying electric currents, beneath the surface.

The strongest proofs were presented to show that the system was no longer experimental, but had been, and is now, successfully operated in New York, Philadelphia, Boston, Chicago and other large cities.

The tardiness of our authorities to act in this important matter can only result in Baltimore being among the last to secure the removal of the unsightly poles and wires.

The progressive spirit shown by the Chesapeake and Potomac Telephone Company, in voluntarily applying for and receiving permission to place their wires under ground, is to be commended. They have made rapid strides in this direction during the past year, and expect in a few months to complete their work.

Some idea of the extent of this improvement can be had from the following statement, kindly furnished by the officials of the Company:

Ready for occupancy, fifty-eight thousand nine hundred and seventy-seven feet of trench or conduit, containing seven hundred and thirty-four thousand feet of duct for cables.

In these conduits, one hundred and forty thousand feet of cable have already been drawn, each cable containing from fifty to one hundred wires.

Seventy-five thousand feet more cable will be added, making the grand total about two hundred and fifteen thousand feet.

This company, which is composed of some of our best financiers and business men, and employing electricians of the highest order, would not undertake the expenditure of such large sums of money without having thoroughly investigated the practicability, as well as the eventual economy of the system. The first cost of removing the overhead plant of a Telegraph Company and placing its wires under ground, must necessarily cause a heavy strain on its finances, but the great saving in repairs of line, the impossibility of injury from sleet and wind storms, that often cause great pecuniary loss from destruction of lines, as well as interruption to business, will fully re-imburse them for the increased outlay in a few years, besides giving a more reliable service.

Attention is called to the fact, that in the ordinance granting the Chesapeake and Potomac Telephone Com-

pany the use of the streets, the City reserved the right to place the wires of the Police and Fire Alarm Telegraph in said trenches or conduits.

The number of wires now strung on poles has about reached the limit. They are not only an eyesore, but in case of fire are an obstacle to the firemen and a menace to life and property.

The wires of the department, as well as those of private corporations, are often cut down by the firemen in discharge of their duty, leaving a large section of the City unprotected until repairs can be made.

This is extremely dangerous in case of other fires. As we are expected to be ready at all hours of the day or night to receive and transmit alarms of fire correctly; every possible precaution should be taken to prevent interruptions and delays. I therefore urge the placing of the wires of this Department in the trenches or conduits of the Telephone Company, as follows:

From City Hall to Monument street on north side, to Barre on south, to No. 6 Engine House on northeast, to High street on east, to Green street on west.

This territory covers the business part of the City where disastrous fires are to be expected, and would materially lesson the dangers referred to. The removal of the poles and wires of the City and of the Telephone Company would also greatly improve the appearance of our principal streets, and be gratifying to a large majority of our citizens.

ALARM BOXES IN ANNEX.

I must again call attention to that part of my report for 1889, which refers to this important question.

It says: "Many portions of the Annex is as thickly populated as the City proper, yet fire alarm boxes are from a half to a mile apart. Woodberry, composed largely of frame houses, besides large factories and mills, and having a population of several thousands, has but one alarm box to protect it."

Such scarcity of alarm boxes causes great delay in the transmission of alarms and consequent danger to life and property.

The Fire Department depends upon its telegraph system to notify it of, and to locate the fire, and this can only be done through alarm boxes connected with this "system." Where the box is a long distance from the fire, it frequently makes the engines take a route that carries them away from the fire, where their services are needed, causing delay that would be prevented by additional boxes.

KEYLESS DOORS TO ALARM BOXES.

Four years ago twenty-seven of these doors were placed on that number of our street boxes to test their efficiency.

The service rendered in saving time, usually lost in hunting for key cannot be estimated, but as numerous

fires have been sounded from these boxes, it is safe to say that thousands of dollars have been saved by their introduction. In business districts, where everything is closed after dark, and on Sundays and Holidays, they are invaluable, as any citizen can sound the alarm upon discovery of fire. The success of this improvement having been fully established, it becomes my duty to recommend their being placed on the following boxes: 14, 124, 125, 126, 128, 131, 132, 134, 212, 218, 241, 242, 248, 312, 314, 316, 317, 319, 321, 32, 322, 365, 416, 417, 419, 42, 423, 425, 43, 431, 436, 514, 52, 523, 61.

WATER BOARD LINE.

This line will need over-hauling and part of wire renewed, otherwise it is in fair condition. It will require about five hundred dollars, which is placed in estimate for 1891.

MARINE HOSPITAL LINE.

The high tides and floods have washed away the poles along the shore of Walker's Pavilion, and will have to be rebuilt across the fields, to prevent frequent recurrence of such accidents. Permission has been granted by the owners of the grounds, Messrs. William B. and Frank Chairs, and the work will be done soon as weather will permit.

Two hundred and fifty dollars is asked for this change and maintenance during the year.

The lines to Bayview Asylum and House of Correction will only require nominal appropriations for repairs and maintenance.

ADDITIONAL ALARM BOXES.

New boxes have been placed at the following points, as per resolutions of Council:

68 Marshall and Winder streets.
155 Caroline and Gough streets.
168 Merchants' and Miners' Transportation Company.
255 Boundary avenue and Aisquith street.
295 Calvert and Fourth streets.
296 St. Paul and Tenth streets.
359 Eutaw and Preston streets.
397 Merryman's Lane and Roland avenue.
398 Charles Street avenue and Merryman's Lane.
433 Winan's Mansion, Hollins street.
437 Pratt and Green streets.
495 Liberty and Bloomingdale roads.
496 Boundary avenue and Tenth street.
714 Clement and Webster streets.

POINTS WHERE ALARM BOXES ARE NECESSARY.

Eutaw Place and Mosher street.
Cathedral and Saratoga streets.
Madison avenue and Orchard street.

MATERIAL ON HAND IN LINEMAN'S DEPARTMENT.

12 6-pin arms.
21 4-pin arms.
18 2-pin arms.
50 bolts and washers.
4 new shovels.
8 old shovels.
14 pike poles.
5 digging irons.
2 wire reels.
2 saws.
1 small pole truck.
1 kite-tail burner.
2 monkey wrenches.
9 drawing knives.
1 3-inch auger.
2 old chisels.
1 grindstone.
3 pairs of pliers.
1 ratchet brace.
7 old bits.
2 cant hooks.
3 screw drivers.
2 tamping irons.
3 hand axes.
1 chopping axe.
2 straps and vises.
1 block and fall.
½ mile copper wire.
100 glass insulators.

20 rubber hooks.
100 galvanized staples.
1 gross ½-inch screws.
25 pole brackets.
½ keg of spikes.
50 feet small rope.
75 feet large rope.

And lot of old stuff hardly worth mentioning.

MATERIAL NECESSARY FOR LINEMAN'S DEPARTMENT FOR 1891.

250 poles of different sizes.
500 four-pin cross arms.
100 two-pin cross arms.
100 six-pin cross arms.
50 T arms.
50 back boards.
1 doz. bottles of watch oil.
2 chisels.
½ doz. bitts (different sizes).
8 miles copper wire.
1500 ft. Grimshaw wire.
50 lbs. office wire.
6 shovels.
4 pair plyers.
500 glass insulators.
½ doz. rolls gum tape.
200 office cleats.
300 staples.

2 copper-faced vices and straps.
½ doz. pike poles.
1 oil stone.
400 ft. small rope.
100 pole brackets.
100 lbs. of nails.
50 lbs. of solder.
10 gallons linseed oil.
2 gallons soldering fluid.
50 caps.
2 saws.
2 gross of screws.
100 rubber hooks.
100 large knobs.
1 brace.
1 bench vise.

MATERIAL ON HAND IN BATTERY DEPARTMENT.

1100 4 lb. zincs.
400 new coppers.
1 large copper scoop.
1 small copper scoop.
2 copper plates.
1 large scale.
Also lot of old Leclanche jars, gondas and carbons.

MATERIAL NECESSARY FOR BATTERY DEPARTMENT FOR 1891.

50 barrels of blue stone.
1200 4 lb. zincs.
1000 coppers.

100 cells, prism Leclanche battery, complete.
200 packages sal ammoniac.
1 box soap.
30 gallons monarch battery oil.
1 gallon hard oil.
2 gallons turpentine.
5 pounds black paint.
100 gravity jars.
100 binding posts.

MATERIAL FOR CENTRAL OFFICE, CITY HALL.

2 office diaries.
3000 sheets of department paper.
3000 department envelopes.
100 sheets emery paper.

ESTIMATE OF EXPENSES FOR 1891.

	Salaries, Per annum.
1 Superintendent	$2,000 00
4 Operators at $1,200 per annum each	4,800 00
1 Chief Lineman	1,200 00
2 Assistant Linemen, $1,000 each	2,000 00
1 Batteryman	1,200 00
Total salaries	$11,200 00

Amount brought forward	$11,200 00
Material and labor for general repairs	2,800 00
Batteries, &c	2,900 00
Wear and tear of line	800 00
Maintenance and repair of Annex line	1,000 00
Electrical apparatus, Central Office	100 00
Striking apparatus	75 00
Feed and shoeing horses	400 00
House of Correction line	200 00
Water Board line	500 00
Marine Hospital line	250 00
Bayview line	100 00
	$20,325 00

The following are the employees of this Department:

Operators—James F. O'Mailey, Frank L. McAleese, Alexander Crummer, H. P. Lucas.

Substitute Operator—John J. McCoy.

Chief Lineman—John M. Nugent.

Assistant Linemen—Charles J. Hellings and Samuel Knouse.

Batteryman—Robert Kain.

Thanks are tendered the members of the Police and Fire Departments for timely assistance rendered, and to the employees of this Department for prompt and faithful discharge of duty.

Yours respectfully,

CHAS. J. McALEESE,

Supt. Police and Fire-Alarm Telegraph.

ANNUAL REPORT

— OF THE —

HARBOR BOARD

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31, 1890.

Harbor Board of Baltimore,

JANUARY, 1891.

ROBERT C. DAVIDSON, MAYOR,

President ex-officio.

JAMES S. WOODSIDE,
Secretary of Board.

WILLIAM H. SKINNER,

EDWARD J. CODD.

Executive Committee.

EDWARD ROELKEY.

FIELDER C. SLINGLUFF.

MARTIN WAGNER.

N. H. HUTTON, *Engineer.*

J. H. IRVIN, JR., *Clerk.*

REPORT.

OFFICE OF THE HARBOR BOARD,

BALTIMORE, January, 1891.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

We have the honor to submit the following report of the operations of this Department during the year 1890, together with such recommendations for the future as we deem necessary for the public interests.

Appropriations for works under charge of the Board, for 1890, were as follows:

For harbor (including harbor and river improvement, surveys, maintenance and operation of City tug, and the general supervision and administration of *all* works under the Board)	$40,000 00
" dredging Jones' Falls (above Canton avenue)	10,000 00
Amount carried forward	$50,000 00

Amount brought forward	$50,000 00
For dredging a channel from Bush St. Dock to main channel Middle Branch	6,000 00
" maintenance and operation of the City Ice Boat	10,000 00
" repairs of wharves	2,000 00
" bulkhead at Little Hawkins' Point	1,500 00
" building or purchasing a steam launch for use of Quarantine Station	2,000 00
Making a total of	$71,500 00

Which includes the moneys received by the City from the State on account of auction dues during 1890, amounting to..... $7,482 58

The cost of all work done under these several heads, as is shown in detail hereafter, amounted to..... $66,148 10

Though owing to circumstances, hereinafter set forth, the amount actually paid out was only $51,516 12

Leaving an unpaid balance, due to contractor for work done during 1890, of..... $14,631 98

Therefore the larger portion of the "unexpended balances," shown in annexed tabular statement, are not such in the ordinary acceptation of the term.

HARBOR IMPROVEMENT.

Under this head may be included all dredging operations carried on during the year, as they were all included in one set of specifications, and advertised at the same time.

They embrace harbor and channels, (including Middle Branch,) Back Basin and Docks, Jones' Falls, and the channel in Middle Branch to Bush Street Dock.

Having advertised as required by law, proposals were opened on July 3d, and contracts awarded to the lowest bidders, as follows :

To the Baltimore Dredging Company, all work in Jones' Falls, above Canton avenue, at 35 cents per cubic yard.

To Mr. C. W. Nelson, Jr., all dredging in harbor and channels, (including Middle Branch,) at 12 cents per cubic yard; also all work in Back Basin and Docks at 16 cents per cubic yard.

The execution of contracts was delayed until July 25th, by reason of an application on the part of one of the bidders for an injunction restraining the Board from entering into a contract with Mr. Nelson. The injunction being refused on 24th July, the necessary papers were at once prepared and executed, and work was commenced by both contractors on August 1st.

It may be as well to state here that an injunction was prayed for on November 21st by a "tax-payer" to prevent the payment by the Board to Mr. Nelson of any moneys due him on account of work done, or to be done, under his contract, which still remains "sub-curia," and is the occasion of the large balance apparently unexpended in our money statements. Mr. Nelson's bid, it may be remarked, was (on the basis of quantities given in specifications) $2,400 lower than any other bidder.

The Baltimore Dredging Company completed its contract in October, having removed from Jones' Falls, above Canton avenue	25,670	cubic yards.
And *below* the same	4,995	"
Making a total of	30,665	"

It dredged the bed of the Falls to a depth of ten to twelve feet as far up as Pratt street bridge, and made the small excavation *below* Canton avenue bridge, to permit its dredges and scows to reach the bridge.

It was paid for work above Canton avenue at 35 cents per yard	$8,984 50
And for work *below* at 16 cents per yard (charged to Harbor)	792 80
It was also paid, on account of Harbor, for removing a wreck at Draw-bridge, City Dock	100 00
Making total payments to this Company amount to	$9,877 30

Under the contract with Mr. C. W. Nelson, Jr., the following quantities were excavated and removed :

From Harbor and channels.....	82,686	cubic	yards.
From Middle Branch.....	37,426	"	"
From Channel to Bush street Dock,	46,485	"	"
From Back Basin and Docks.....	61,156	"	"
Making a total of.....	227,753	"	"

For which he has been paid.....	$15,144 62
And has due for work done.....	14,631 98
Making a total earned of.....	$29,776 60

Or, at the rate of about $13\frac{074}{1000}$ cents per yard.

The results may be briefly stated as below : In the main harbor the 27-ft. depth below Locust Point was extended northward, entirely across the harbor, for a width of 135 ft.; annual deposits were removed in the main basin off mouth of Jones' Falls for a width of 270 feet and length of 1150 feet ; from channels in Middle Branch ; from Back Basin (City Dock) ; from the mouth of Harris' run sewer, and from McClure's Dock ; foot of Broadway, and corner of Light and Pratt streets.

The whole amount of dredging done under both contracts was 258,378 cubic yards ; for which contractors were paid (or earned) the average rate of $15\frac{308}{1000}$ cents per cubic yard.

The area covered by the work was 1,298,400 square feet (about 30 acres) with an average depth of excavation of 5 feet 4½ inches.

The annual re-survey of the harbor showed the same results as for 1889, viz: a gradual shoaling, from sewer and street deposits in upper harbor, basin and docks, and in Middle Branch, above Moale's Point.

The survey of Jones' Falls, made in April, showed an extreme depth above Canton avenue of four feet, and an *average depth* thence to Gay street of about two and one-half feet, or in other words the obliteration of all traces of dredging done in 1889.

The National Government has provided for the completion of the ship channels to a width of 600 feet, and Col. Wm. P. Craighill is prepared to commence operations as soon as the season permits.

In connection with Harbor Improvements we desire to renew the previous recommendations of the Board, in regard to the removal of a portion of Foley's wharf (Lazaretto Point). Some decided action should be taken in the interests of all parties concerned.

The experience of this Board during the past year in connection with the removal of deposits from Jones' Falls, as well as a review of the experiences of our predecessors in this work (the Jones' Falls Commission), has resulted in the conviction that if it is considered neccessary for sanitary or other reasons to

maintain a given depth (say ten feet) in this stream below Gay street, some other means than those heretofore in use must be adopted.

Continuous dredging, at least from April to November, inclusive, will be necessary, and to insure economy, special machinery must be devised, to reduce the cost of moving dredges and scows under bridges, and where tow boats cannot be used, as well as for dredging *under* the various bridges.

In order to obtain the best results it will be necessary to guarantee to bidders the continuance of the contract for a series of years; enough at least to furnish a reasonable expectation that they will be reimbursed for the cost of special machinery procured for the work, with a reasonable profit; and if the work is to be continued, we recommend the adoption of this plan. We entirely concur with the Engineer of the Board in the necessity for providing in a condensed form all the laws and ordinances relating to Harbor, Docks, Wharves and Harbor Masters, and recommend that authority be given to have the pamphlet published as suggested.

STONE BULKHEADS (CITY DOCK).

Owing to a continuance of legal difficulties as to the status of City's rights, no work was done on this project, and none is contemplated for 1891.

BULKHEAD AT LITTLE HAWKINS' POINT.

This structure was completed to the City's boundary on Curtis' Creek, and portions of the wall were reinforced with rip-rap on the outside face.

Expenditures were $1,495 24

REPAIRS OF WHARVES.

Fender piles and caps in City Dock were repaired; the bulkhead on Caroline Street and North Dock was rebuilt and fenders and caps put in front; bulkhead at foot of Gay street was rebuilt; platforms at Long Dock renewed and repaired; wharf at Little Hawkins' Point was refloored and repaired, and slight repairs were made to wharves at Hull street, Broadway, and South street and Bowly's wharves.

Expenditures on this account were $1,820 86

In this connection we recommend the repeal of Section 15, Article XXII, Baltimore City Code, requiring all repairs of wharves below high water mark to be made of stone. It is manifestly inequitable, as not including construction of *new* wharves, and has never been enforced. In view of the recodification now in progress, prompt action, if any, is desirable.

The wharves at foot of Charles and of Hanover streets, built thirteen years ago, have never been used, and are now dangerously decayed; we would recommend their abandonment for the present.

CITY ICE BOAT.

This boat was not used for ice-breaking during 1890. Fifteen (15) excursions were made, twelve (12) of which were for the use of the Free Summer Excursion Society; for whom over 14,000 persons were carried. The boat was also used for conveyance of the public to and from the war ship "Baltimore," while in our harbor. Extensive repairs to woodwork will be needed to be made this year, and to insure their completion before next fall an appropriation for the purpose should be made at an early date.

STEAM LAUNCH FOR QUARANTINE.

Under this appropriation a wooden steam launch was purchased from Messrs. Froehlich & Co. for. $1,900 00
And for fittings, &c., there was paid..... 100 00

Making total expenditure $2,000 00

The boat is reported by Quarantine Surgeon, for whose use it was intended, to be entirely satisfactory.

FUTURE REQUIREMENTS.

We recommend for the year 1891 the following appropriations:

In order to pay for work done in 1890, account of Harbor, unexpended balance..... $16,148 06
Account of channel to Bush Street Dock, unexpended balance..... $1,115 63

Making total of..... $17,263 69

Amount brought forward		$17,263 69
For maintenance of harbor, channels, Middle Branch, Back Basin and Docks, and general supervision and administration of *all* works		$50,000 00
For maintenance and operation of Ice-boat:		
Unexpended balance	$2,536 29	
New appropriation	12,463 71	
		$15,000 00
For repair of wharves		5,000 00
A total of		$87,263 69
Of which unexpended balances are		19,799 98
And new appropriations are		67,463 71

For further details we beg leave to refer to the Engineer's Report, hereunto appended.

Respectfully submitted,

WM. H. SKINNER,
E. J. CODD,
JAS. S. WOODSIDE,
Executive Committee.

Approved by the Board:

JAS. S. WOODSIDE, *Secretary.*

Engineer's Report.

Statement of Receipts and Disbursements of the Harbor Board of Baltimore for the Year Ending December 31, 1890.

	Harbor		Middle Branch, (channel to Bush st. dock)		Dredging Jones' Falls.		Ice Boat.		Repairs to Wharves.		Bulkhead at Little Hawkins' Point.	
Appropriation for work of 1890		$40,000 00		$6,000 00		$10,000 00		$10,000 00		$2,000 00		$1,500 00
Expenditures, as follows:												
Advertising	$ 16 00		$ 2 40		$ 4 00							
Contracts for dredging and repairs at City Dock	11,474 85		4,462 57		8,984 50							
Fuel	721 85						$108 40					
Incidental expenses	506 90				93		30 00					
Insurance							100 00					
Labor and material for repairs to wharves and bulkhead at Little Hawkins' Point (work done by Harbor Board)									$1,820 86		$1,495 24	
Repairs to tug and ice-boat	533 81						1,179 94					
Salaries and wages	10,442 77		419 40		1,010 57		5,557 70					
Steamboat supplies	155 76						487 67					
Unexpended balances	16,148 06		1,115 63				2,536 29		179 14		4 76	
	$40,000 00	$40,000 00	$6,000 00	$6,000 00	$10,000 00	$10,000 00	$10,000 00	$10,000 00	$2,000 00	$2,000 00	$1,500 00	$1,500 00

N. H. HUTTON, *Engineer Harbor Board.*

Statement of contracts Let and Work Done (Dredging, Repairs of Wharves and Bulkhead at Little Hawkins' Point), during 1890, under Supervision of the Harbor Board.

By Whom Done.	Kind of Work.	Date of Contract.	Prices.	Work Done.
Baltimore Dredging Company	Dredging	July 28, 1890	35 cents per cubic yard	25,670 cubic yards.
" " "	"	August 5, 1890	16 " "	4,955 " "
Charles W. Nelson, Jr.	"	July 25, 1890	12 " "	166,597 " "
" "	"	" "	16 " "	61,156 " "
Harbor Board	General repairs of wharves (labor and material)		$1,820 86	Completed.
" "	Bulkhead at Little Hawkins' Point (labor and material)		1,495 24	"

Location of Dredging.	Approximate Area Dredged.	Depth of Water Obtained.
Jones' Falls	62,400 square feet.	10 to 12 feet.
Middle Branch	349,200 " "	12 to 15 "
Harbor and channels generally	530,600 " "	19 to 27 "
Back Basin and docks	356,200 " "	14 to 16 "

SUMMARY OF RESULTS.

Year.	Area Dredged.	Average Depth of Cutting.	Total. Excavation.
1890	1,298,400 square ft	5 feet 4½ inches.	258,378 cubic yds.
1876 to 1889, inclusive	32,403,480 "	5 " 2 "	6,198,567 "
Total, 1876 to 1890, inclusive	33,701,880 "	5 " 1½ "	6,456,945 "

N. H. HUTTON, *Engineer Harbor Board.*

REPORT.

OFFICE OF ENGINEER OF HARBOR BOARD,

BALTIMORE, January 1891.

To the President and Members
of the Harbor Board of Baltimore:

GENTLEMEN:

I have the honor to submit the following report of operations, during the year 1890.

HARBOR.

Appropriations.

The appropriation for the maintenance of Harbor, Docks, (Main and Middle Branches), and for the general administration and supervision of *all* works under the Board, was..	$40,000 00	
Which includes the amount received by the City from the State on account of "auction dues".....	7,482 58	Auction dues
Leaving to be provided for in the tax levy.....	32,517 42	

Bush Street Dock.

There was also appropriated for the excavation of a channel from Bush Street Dock to the Main Channel (Middle Branch) $ 6,000 00
And for removing deposits from Jones' Falls above Canton ave. 10,000 00

Total.

Making total appropriations under this general head.... $56,000 00

Bids.

After due advertisement, proposals for all of this work were opened on July 3d, with results as per the following abstract:

ABSTRACT OF BIDS FOR DREDGING.

Opened July 3d, 1890.

BIDDERS.	Harbor and Channels.	Back Basin and Docks.	Spring Gardens.	Channel to Bush St. Dock.	Jones' Falls.
	cts. per cub. yd.	cts. per cub. yd.	cts. per cub. yd.	cts. per cub. yd.	cts. per cub. yd.
Charles W. Nelson, Jr.....	12	16	12	12	..
Baltimore Dredging Co.....	13	20	13	16	35
W. B. Brooks, Jr.....	12	19	12	15	35
L. J. Fobes.....	12½	21	13	17½	..

On the same day contracts were awarded to the lowest bidders as below:

To the Baltimore Dredging Company, all work in Jones' Falls, at 35 cents per cubic yard.

To Mr. C. W. Nelson, Jr., all work in harbor and channels (Main and Middle Branches), and in channel to Bush Street Dock, at 12 cents per cubic yard; also, all work in Back Basin and docks, at 16 cents per cubic yard.

The execution of these contracts was delayed until July 25th, by an application for an injunction by one of the bidders, to restrain the Board from entering into a contract with Mr. Nelson; this was refused on the 24th of July, and the necessary papers were at once executed. Injunction.

The Baltimore Dredging Company commenced work on August 1st, using one clam shell dredge below Canton avenue; to re-dredge into large scows, the material excavated by a smaller dredge and scows, above the bridge; and completed its contract on October 27th, having removed from Balto. Dredging Co.

above Canton avenue bridge.....25,670 cubic yards.
And below this bridge.. 4,955 " "

Making a total of...30,625 " "

The amount excavated *below* Canton avenue was done under a supplemental agreement to enable their dredges and scows to reach the bridge, the bed of the stream having shoaled up since the dredg- Below Bridge.

ing of 1889, to such extent as not to afford water enough to float their plant.

It was paid, for work above Canton avenue at 35 cents per cubic yard	$8,984 50
And below, at 16 cents per cubic yard	792 80
It was also paid for the removal of a wreck in Back Basin	100 00
Payments. Making total payments to it	$9,877 30

Results of Work. The results of its work consisted of the dredging of the bed of Jones' Falls, from the lower side of Canton avenue bridge to the lower side of Pratt street bridge, a distance of 1040 feet, to depths varying from 10 feet to 12 feet at low water, the constant influx of deposit from streets and sewers preventing the establishment of regular depths.

Area. The area covered by this work was 62,400 square feet (or 6,934 square yards), and the average depth of excavation was 11 feet 1½ inches, showing an increase of deposit *during the progress of the work* of over two feet in depth.

C. W. Nelson, Jr. Mr. C. W. Nelson, Jr., commenced operations under his contract on the channel to Bush Street Dock (Middle Branch), on August 1st, but was engaged until the 14th

of that month, dredging and "throwing over" the material ahead of the machine in order to float his scows, the depth on this shoal being only from one (1) to two (2) feet at low water. The main and lateral channels in Middle Branch were re-dredged where necessary to restore normal depths, as well as portions of the deposits at Chatsworth run and Eutaw street.

Middle Branch.

The Back Basin and docks, as given below, were dredged to remove annual deposits, as well as a portion of the Main Basin opposite the mouth of Jones' Falls; the depth of 27 feet was also extended in lower harbor.

Back Basin.

His contract was completed on December 31st, there having been excavated and removed under it a total of 227,753 cubic yards, at an average price of $13\frac{513}{1000}$ cents per yard.

Amount Excavated.

Price.

The work done was as follows:

Results.

Ship channels (below Locust Point); cut 1,225 feet long, 135 feet wide, to 27 feet depth; 38,650 cubic yards.

Mouth of Harris' Run Sewer; cut 475 feet long, 90 feet wide, to 12 and 20 feet depth; 16,337 cubic yards.

Between old Sea Wall and Pier of Rasin Co's works; cut 300 feet long, 40 feet wide, to 16 feet depth; 2,472 cubic yards.

Harbor opposite mouth of Jones' Falls; cut 1,150 feet long, 270 feet wide, to 20 feet depth; 25,227 cubic yards.

Back Basin (or City Dock); cut 324,000 square feet to 15 feet depth; 59,390 cubic yards.

Dock at foot of Broadway; cut 200 feet long, 35 feet wide, to 16 feet depth; 456 cubic yards.

McClure's Dock; cut 600 feet long, 30 feet wide, to 10 feet depth; 719 cubic yards.

Corner of Light and Pratt streets; cut 80 feet long, 90 feet wide, to 16 feet depth; 591 cubic yards.

Main Channel in Middle Branch; cut 1,200 feet long, 45 feet wide, to 15 feet depth; cut 550 feet long, 45 feet wide, to 12 feet depth; 15,589 cubic yards.

Mouth of Chatsworth Run; cut 630 feet long, 90 feet wide, to 12 feet depth; 8,857 cubic yards.

From Main Channel toward Diggs' Wharf; cut 500 feet long, 45 feet wide, to 12 feet depth; 3,789 cubic yards.

Lateral Channel to Dock foot of Bayard street; cut 850 feet long, 90 feet wide, to 15 feet depth; 9,191 cubic yards.

Channel to Bush Street Dock; cut 1,000 feet long, 45 feet wide, to 15 feet depth; cut 1,550 feet long, 45 feet wide, to 12 feet depth; 46,485 cubic yards.

Area Covered.

This work embraced an area of about 1,236,000 square feet, (137,336 square yards,) and as the amount excavated was 227,753 cubic yards, the average depth of excavation was about five feet.

Payments.

Mr. Nelson *earned* under his contract:

For 166,597 cubic yards, at 12 cents per yard	$19,991 64
And 61,156 cubic yards, at 16 cents per yard	9,784 96
Or a total of	$29,776 60
Of which he has been paid	15,144 62
Leaving an unpaid balance of	$14,631 98

Second injunction.

On November 21st, an injunction was prayed for, by a tax-payer, to prevent the payment by the Board of any moneys due, or to become due, for work under his contract. This has not as yet been acted upon by the Court, and is the cause of the apparently large "unexpended balance"

on account of harbor, nearly all of it being in point of fact money now due Mr. Nelson for work done.

Amount of work done and price.

The whole amount of dredging under both contracts was 258,378 cubic yards.

Total expenditures were $53,368 29
Or at the rate per cubic yard
of ..... $20\frac{659}{1000}$ cents.

Which may be divided as follows :

Analysis of total cost.

Paid contractor..... $15\frac{308}{1000}$ cents.
Repair and operation of tug boat ..... $2\frac{032}{1000}$ cents.
Inspection of dredging, surveys, incidentals..... $1\frac{539}{1000}$ cents.
General administration and supervision of *all* works under the Board..... $1\frac{780}{1000}$ cents.

Particular details of work and expenditures will be found in annexed tabular statements.

Re-surveys.

The usual annual examination of the Harbor and Jones' Falls was made in the spring; showing as heretofore a gradual shoaling from street and sewer deposits, of the Basin and upper Harbor, and of Middle Branch above Moale's Point. The greatest depth found in Jones' Falls was 4 feet

Jones' Falls.

at low water, with an average depth between Canton avenue and Gay street of about 2½ feet, or in other words, no traces remained of the dredging done in this section during the previous year.

During 1890, the excavations were carried to a depth of 12 feet, yet in November the average depth was but little, if any, over ten (10) feet.

As it is presumed that this work in Jones' Falls is done mainly for sanitary reasons, a depth of ten (10) feet at mean low water, is the least that will serve to delay appreciably the decomposition of material brought in from streets and sewers, or the escape of deleterious gases. To maintain this depth will require almost continuous dredging, at least from April to November, inclusive; and to perform this work in the most economical manner, it will be necessary to adopt a different method of carrying on the work from that heretofore in use, especially in regard to the machinery (or plant).

At present, even the smaller class of dredging machines of the usual styles, are obliged, on this work, to remove the booms and braces, carrying their dredging buckets, at each bridge, to enable them to pass under; they are moreover unable to operate

under the bridges, which are quite wide, and are compelled to resort to a tedious and ineffective method of "scraping" the deposits from such localities.

It being impossible to use a tow-boat in this section, the scows, which must of necessity be too small to be used economically for the long distance to which the dredged material has to be carried for re-deposit, are moved either by poling, by hand, or by means of a wire rope operated from the dredging machine.

Project for Jones' Falls.

These difficulties and delays could be avoided by the use of a small machine of the type known as the "suction dredge," which by means of pumps raises the material from the bottom and discharges it through a system of pipes, floated on the water surface, to some convenient point, where it can be re-dredged into large scows for removal to the "dump ground;" in this case the pipes would discharge into the Back Basin just below Canton avenue bridge.

Such a machine could be built to dredge under as well as to pass under all the bridges without the removal or alteration of any part of its machinery or appliances. It would not, however, be economically adapted to general harbor and river im-

provement in this vicinity, and might therefore be classed as "special" machinery for this work.

As it has not proven desirable in the past, that the City should operate with its own machinery in the work of Harbor improvement, it must be still less so at present, when so much capital is invested in dredging appliances by private persons and corporations; in this case, as special machinery would be required, it would probably be necessary to offer to bidders for this work, a guarantee that any contract awarded them, would cover the operations of *more than one year,* as it would hardly be possible in one season to earn the first cost of the machinery and appliances necessary, as well as a fair margin for profit in addition.

Reference points.

During the year an examination was made of the "stones" placed around the water front, as points of reference from which to establish pier and bulkhead lines; all such as were found to have been rendered insecure by reason of the extension of street gradings, or for any other cause, were re-established in secure positions; the cost of harbor surveys and of this work amounted to $887.06.

Foley's wharf.

During the last days of the session of the City Council, an ordinance providing for the removal of a portion of Foley's Wharf, as recommended by the Harbor Board and Board of Trade, passed the First Branch, but failed of passage in the Second Branch, probably from lack of time.

Compilation Harbor Laws.

The want of a compilation of the laws and ordinances, relating to harbor, docks, wharves and harbor masters, in such form as to be convenient for reference, has long been felt in this office. At present they are bound up in the City Code, or in Council proceedings, and are practically inaccessible to most persons having necessity to refer frequently to them; I would therefore recommend that authority be obtained from the Council to have the compilation made and printed in convenient form.

STONE BULKHEAD IN CITY DOCK.

As the legal questions involved in the City's rights to the south side of this dock, between Caroline street and the drawbridge, were unsettled, no work on the new bulkhead was done in 1890, nor is any advised for the current year.

BULKHEAD AT LITTLE HAWKINS' POINT.

This work of protection to the Quarantine Station, consisting of a rubble masonry wall, on a base of rip-rap, has been completed to the City's boundary line on Curtis' Creek.

There was appropriated for this work the sum of		$1,500 00
Of which was expended:		
For rip-rap stone	$275 00	
For oyster shells	79 12	
For labor and material in wall	800 00	
For labor on rip-rap, drains, &c	341 12	
		$1,495 24
Leaving an unexpended balance of		$4 76

Six hundred and seventy feet linear of coping (4 inches thick by 3 feet wide) were jointed and set in cement, including 211 feet of new coping; 50 cubic yards of rubble masonry were laid in wall; 3,000 bushels of shells were placed behind the new section of wall, and 360 tons of rip-rap stone placed at the base of the wall, on the southeasterly face; all the rip rap protection in front of sea-wall was overhauled by hand and relaid where found displaced by waves or ice.

REPAIRS OF WHARVES.

For the preservation and repair of public wharves, was appropriated $2,000 00

Expenditures and work done were as follows:

WHARF AT LITTLE HAWKINS' POINT.

The floor (30 by 130 feet) was renewed, caps and stringers repaired, and the tops of oak fender piles cut off and covered with zinc; a close sheathing of two-inch plank was also placed in front and east side, to serve as a breakwater; expenditures were $652 23

LONG DOCK.

75 feet linear of platform, averaging 14 feet in width, was renewed, and 26 feet linear was repaired; expenditures were.. $236 45

CITY DOCK.

The stone bulkhead on Caroline street, at the head of the north slip, was relaid and fender piles and caps placed in front; a new oak fender pile was driven at northwest corner of the main Basin, and adjacent caps repaired and refastened; expenditures were $220 87

WHARF AT FOOT OF HULL STREET.

The filling was removed across the front and replaced by copper dross, to prevent leakage and wash; expenditures.....	$157 33

SOUTH STREET AND BOWLY'S WHARVES.

Guard logs were repaired and refastened; expenditures were..	$35 63

FOOT OF GAY STREET.

Stone bulkhead was relaid and partly rebuilt of new stone; expenditures were.....	$56 04

FOOT OF BROADWAY.

Holes in the filling behind the bulkhead were cleaned out, leaks stopped, and holes filled with stone; expenditures were.	$ 23 15
For sundry small repairs, including fences across wharves at Hanover and Charles streets (Middle Branch); expenditures were.....	6 62
For general supervision of all wharves, the expenditures were	432 54
Making the total expenditure...	$1,820 86
Leaving an unexpended balance of	$179 14

Wharves at foot of Hanover & Charles streets.

About thirteen years ago (in 1877), large wharves (200 feet by 50 feet), were constructed at the foot of Hanover and of Charles streets, in the Middle Branch, by direction of the Mayor and City Council; there has never been any business transacted over these wharves since they were built, and they are now so much decayed, as to be dangerous to men or animals coming upon them; slight fences have been constructed across them at their junction with the ends of streets, and "dangerous" signs put up. It will cost at least $5,000 to put them in safe repair, and as they are not at present needed for the public service, I recommend that authority be requested to remove the flooring and stringers, leaving the caps and piles, to be used when the necessity arises for wharves at these points. To protect the City against risk of loss for damages, &c., the wharves must either be repaired or access to them prevented.

Repeal of Sec. 15, Art. XXII, City Code.

As the re-codification of City ordinances is now in progress, I would suggest that the Council be requested to repeal Section 15, Article XXII, title "Harbor, Docks and Wharves," which requires that all wharves requiring repair below "high water mark" shall be constructed of stone.

It leaves intact the right to build *new wharves* of wood, and throws upon the owner of an *old* wharf, needing repair, the burden of an increased expenditure, without any apparent advantage to the public interest. No attempt has ever been made to enforce this law.

ICE BOAT.

The City ice-boat was not in use during the winter for breaking ice.

During the summer, fifteen (15) excursions were made; three (3) of them for various public bodies by direction of the Council, and twelve (12) for the Free Summer Excursion Society by the same authority.

On the latter excursions, 14,785 persons were conveyed to and from Chesterwood; the boat was also in use for three (3) days in the conveyance of the public to and from the cruiser "Baltimore" during her visit to this port.

During the spring the boat was docked, the hull cleaned and painted, and new gratings, &c., provided for main injections. New awnings were purchased, and wood work generally repainted.

The appropriation for the maintenance and operation of this boat was.... ..... $10,000 00

The expenditures were:

Wages of crew	$5,557 70
Docking, painting, awnings and repairs	1,179 94
Steamboat supplies	487 67
Insurance	100 00
Fuel	108 40
Incidental expenses	30 00
A total of	$7,463 71
Leaving an unexpended balance of	2,536 29

STEAM LAUNCH FOR QUARANTINE.

For the purpose of procuring a steam launch for the use of the Quarantine Surgeon, there was appropriated $2,000, and the Board was directed to have built, or to purchase a suitable vessel. Under this authority, after failing to procure a suitable one by advertisement, a new boat was purchased from Messrs. J. C. Froehlich & Co., for the sum of $1,900.

This boat was 35 feet long, 8 feet wide, 3½ feet depth of hold; well modelled, strongly built, and equipped with all usual appliances and fittings, having keel condensing engine with 8-inch by 8-inch cylinder.

It has now been in use for several months by the Quarantine Surgeon, who reports that it is in every way satisfactory.

Expenditures on this account were :

To Froehlich & Co	$1,900 00
Advertising	16 62
Covering boilers with sectional magnesia	45 00
On account of leather cushions	38 38
A total of	$2,000 00

RECOMMENDATIONS FOR WORK DURING 1891.

In order to provide for payments due for work done in 1890, it will be necessary to re appropriate the following unexpended balances:

Account of Harbor		$16,148 06
Account channel to Bush street dock		1,115 63
Amounting to		$17,263 69
Also,		
For maintenance of Harbor, (Main and Middle Branches included), general supervison and administration of ALL works under the Board		$50,000 00
For the maintenance and repair of the ice-boat:		
Unexpended balance	$ 2,536 29	
New appropriation	12,463 71	
		$15,000 00
For repairs of wharves		5,000 00
Making a total of		$87,263 69

Amount brought forward....	$87,263 69
Of which, unexpended balances are.....	19,799 98
Leaving new appropriations of.	$67,463 71

The increase in estimate for maintenance of ice-boat is due to the necessity for extensive repairs of wood work, which are found to be absolutely necessary to be done this year.

The estimate for wharf repairs is increased because of the necessity for rebuilding a portion of the old stone bulkhead on west side of Long Dock, which is in imminent danger of falling into the dock.

I record with pleasure the fact that Mr. J. H. Irvin, Jr., Clerk to the Board, as well as all of the officers and agents engaged under my direction, have performed their duties with honesty, intelligence and zeal.

Respectfully submitted,

N. H. HUTTON,

Engineer.

ANNUAL REPORT

—OF THE—

BOARD OF VISITORS

—OF THE—

JAIL OF BALTIMORE CITY,

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

Fiscal Year Ending December 31, 1890.

OFFICERS

— OF THE —

BALTIMORE CITY JAIL,

1891.

BOARD OF VISITORS:

JOHN RICHARDSON.
FRANK WHALEN.
HARRY F. TURNER.
HIRAM G. DUDLEY.
A. C. N. MATTHEWS.
AUGUST BERKEMEIER.
Hon. ROBERT C. DAVIDSON, *Ex-Officio.*

PRESIDENT OF THE BOARD:

JOHN RICHARDSON.

SECRETARY TO THE BOARD:

FRANK WHALEN.

Warden, - - - - DANIEL CONSTANTINE.

COMMITTEE:

FINANCE:
MATTHEWS.
WHALEN.

REPAIRS:
BERKEMEIER.
TURNER.

DISCIPLINE:
RICHARDSON.
WHALEN.
BERKEMEIER.

SUPPLIES:
WHALEN.
DUDLEY.

SANITARY:
TURNER.
MATTHEWS.

REPORT.

BALTIMORE, January 1st, 1891.

To the Honorable the Mayor and
City Council of Baltimore.

GENTLEMEN:

In accordance with established custom, the Visitors of the City Jail respectfully submit the report of their management of the Institution for the year ending December 31st, 1890.

The report of the Warden, with the annexed exhibits, show the receipts and disbursements, a detailed statement of the number of prisoners committed to the Institution during the year, the offences with which they were charged and the manner of their disposition.

The Board expended during the year out of their appropriation $54,471.34, leaving a balance in the hands of the Comptroller of $528.66.

The estimates for 1891 having been carefully considered, we find that we must ask your Honorable Body for an appropriation of $60,000.00, which we deem necessary for the proper maintenance of the Institu-

tion; the increase in the number of prisoners, and the material advance in many articles required for the Institution, demands the increase for its proper support.

The report of Dr. Thos. S. Latimer shows that he has maintained an excellent sanitary condition during the year.

The necessary repairs during the year have been made with prison labor.

Under the earnest and intelligent care of the Warden, Mr. Dan'l Constantine, and his attentive Deputies, the highest discipline has been obtained.

Respectfully submitted,

JOHN RICHARDSON,
A. C. N. MATTHEWS,
AUGUST BERKEMEIER,
H. F. TURNER,
HIRAM G. DUDLEY,
FRANK WHALEN,
Board of Visitors.

Report of the Warden.

REPORT.

BALTIMORE, January 1st, 1891.

To the Honorable the Board of Visitors
of the Baltimore City Jail.

GENTLEMEN:

I have the honor to submit herewith the annual report of the operations of the Baltimore City Jail for the year ending December 31st, 1890, nearly eleven months of which was under the control of my predecessor.

The total amount of prisoners committed for drunkenness and minor offences, was 7,724; for trial, 2,363; for House of Correction, 234; for House of Refuge, 5; Industrial School for Colored Girls, 6; House of Reformation for Colored Boys, 63; making the total commitments for the year, 10,395.

The daily average of prisoners for the year was 522, an average increase over 1889 of 15, which would make 5,400 prisoners, to feed and partly clothe, over the number provided for last year.

The earnings of the Jail for the year of 1890, was $13,670.98, an increase of $11,046.83 over the year of 1889. Of the $13,670.98, $4,728.98 was for prison labor on contract, which the Board had entered into with Mr. W. T. Bebee; the balance, $8,942.00, was for United States Docket.

You will readily perceive by the amount of money ($13,670.98) paid into the City Treasury, that the expense of the Institution must be measurably increased, from the fact that the one hundred prisoners working on contract wear out more clothes and consume more provisions than ordinary prisoners. The money received by the Board for the maintenance of United States prisoners and witnesses is paid into the City Treasury, and, as they have to be provided with board and clothes by the Institution, we receive no benefit from them.

The earnings of the Jail appear to be all that is possible under the present contract, the full complement of men (one hundred) being constantly employed. With additional facilities, more might be accomplished.

The appropriation of the Mayor and City Council for the maintenance of the Jail for the fiscal year 1890 was $55,000.00.

Officers' salaries, physician, gardener and baker, including salaries for the month of December, 1890	$27,319 50
To subsistence of prisoners	12,729 44
To subsistence of Warden's family, &c.	1,978 75
To fuel and light	3,896 10
To expense account	2,893 24
To sanitary account	2,370 13
To clothing for prisoners, &c	2,614 00
To hospital account	670 18
	$54,471 34
Leaving balance of appropriation still in the hands of the Comptroller	528 66
Total appropriation	$55,000 00
Amount paid the Comptroller derived from various sources	$13,670 98

The prisoners, other than those employed on contract, have been utilized in various capacities about the prison, such as painting, carpentering, bricklaying, blacksmithing, tinning, &c.; the most important of which was the erection of a new rose-house, timber storage house for wicker-works and repainting the green-house.

Dr. Thomas S. Latimer reports the sanitary condition of the prison to be all that can be expected, and I would call your attention to two special suggestions Dr. Latimer makes, which seem to me to be important:

The first is, that one cell on each tier be fitted up as a hospital, and reserved exclusively for the sick—the same could be done at small expense.

The second is, that one cell be padded for delirious cases.

The Doctor's report shows 4,332 patients treated during the year; of this number five died, viz:

January 7th, George Brown, colored.
January 12th, Jno. W. Tyler, colored.
March 22d, Joseph Chaney, colored.
September 10th, Patrick McEnroe, white.
October 9th, Frank James, colored.

The Physician's detailed report, attached herewith, will furnish particulars.

In accordance with the power vested in the Board of Visitors of the Baltimore City Jail by act of the Legislature of 1885, there were transferred from the City Jail to other institutions 332 prisoners.

I beg leave to submit for your consideration the following estimates for the fiscal year now commencing, viz:

Salaries, officers	$27,000 00
Prisoners' subsistence	13,548 00
Private subsistence Warden's family	2,000 00
Light and fuel	7,500 00
Incidental expense account	2,893 00
Amount carried forward	$52,941 00

Amount brought forward	$52,941 00
Sanitary department	2,870 00
Clothing and dry-goods	3,114 00
Hospital stores	1,075 00
Total	$60,000 00

I beg here to state that a considerable quantity of steam-pipe will probably be required during the year, as the majority of pipes now in use will have to be replaced. The exterior of the prison will need pointing up in various places, and the front and back-yard pavement will need relaying to a considerable extent.

Accompanying this report you have statements:

Exhibit "A," showing monthly average of prisoners.

Exhibit "B," showing the number of prisoners committed for various causes.

Exhibit "C," showing the number of prisoners, and how discharged.

Exhibit "D," showing the receipts and expenditures for the year.

And will conclude by saying the prison is in excellent condition.

The report of the Attending Physician is herewith attached.

All of which is respectfully submitted.

DANIEL CONSTANTINE,

Warden.

TABLES.

EXHIBIT A.

Showing the monthly or daily Average of Prisoners from January 1st to December 31st, 1890.

1890.	
January	701
February	622
March	616
April	565
May	474
June	423
July	457
August	459
September	466
October	461
November	466
December	559
Total	6,269
Average for 1890	522
Daily average for 1889	471
" " 1888	452
" " 1887	453
" " 1886	478
" " 1885	458

EXHIBIT B.

Showing the number of Prisoners Committed for various causes during the year ending December 31st, 1890.

Crimes.	White.			Colored.			Grand Total.
	Men.	Women.	Total.	Men.	Women.	Total.	
Peace and drunkenness	4,580	466	5,046	1,904	774	2,678	7,724
Larceny	520	50	570	441	135	576	1,146
Assault and battery	366	28	394	275	34	309	703
Assault, intent to kill	67	.....	67	64	3	67	134
False pretences	51	1	52	25	5	30	82
Burglaries	62	.....	62	48	1	49	111
Embezzling	31	.....	31	12	.....	12	43
Forgery	.....	.....	.....	.....	.....	.....	.....
Writing and selling policies	11	.....	11	17	2	19	30
Conspiracy, etc., to defraud at elections	.....	.....	.....	.....	.....	.....	.....
Violating pension laws	4	.....	4	6	.....	6	10
Violating internal revenue laws	17	.....	17	8	.....	8	25
Selling liquor on Sundays, &c	26	6	32	22	.....	22	54
Deserting from ship board	15	.....	15	3	.....	3	18
Perjury	7	.....	7	4	4	8	15
Bigamy	4	2	6	5	.....	5	11
Common thief, &c	6	.....	6	2	.....	2	8

Keeping gaming house	.....	.....	.....	.....	.....	.....	.....
Witnesses, State and United States	34	2	36	12	2	14	50
Mutiny	13	.....	13	6	.....	6	19
Insubordination	.....	.....	.....	.....	.....	.....	.....
Receiving stolen goods	8	.....	8	8	2	10	18
Rape and attempt	8	.....	8	8	.....	8	16
Cruel treatment, &c	12	.....	12	6	.....	6	18
Illegitimacy	3	.....	3	3	.....	3	6
Passing counterfeit money	15	1	16	10	.....	10	26
Infanticide	.....	.....	.....	.....	.....	.....	.....
Keeping opium joint	3	.....	3	.....	.....	.....	3
Smuggling	3	.....	3	2	.....	2	5
Bastardy	3	.....	3	5	.....	5	8
Selling goods without license	6	.....	6	2	.....	2	8
Murder	10	2	12	4	4	8	20
Suspicious characters	.....	.....	.....	.....	.....	.....	.....
Voting illegally, &c	8	.....	8	13	.....	13	21
Keeping bawdy house	.....	8	8	.....	12	12	20
Manslaughter	3	.....	3	1	.....	1	4
Arson	4	.....	4	2	.....	2	6
Violating postal laws	7	.....	7	7	2	9	16
Contempt of court, &c	7	.....	7	5	3	8	15
Sodomy	.....	.....	.....	2	.....	2	2
							10,395

EXHIBIT C.

Showing the number of Prisoners Committed and how Discharged, for the year ending December 31st, 1890.

Total number of prisoners committed			10,395
Sent to Maryland Penitentiary:			
White men	41		
" women	1		
		42	
Colored men	45		
" women	5		
		50	
Sent to Bayview Asylum:			
White men	9		
" women	6		
		15	
Colored men	2		
" women	1		
		3	
Pardoned by Governor of Maryland:			
White men	2		
Colored men	1		
" women	1		
		4	
Sent to House of Refuge		5	
Sent to Mount Hope Retreat:			
White men		2	
Removed cases, white men		4	
Amounts carried forward		125	10,395

EXHIBIT C—Continued.

Amounts brought forward.....		125	10,395
Sent to Maryland University Hospital:			
White men.....	8		
Colored men.....	1		
		9	
Sent to Industrial School for Girls..		6	
Sent to Maryland House of Correction:			
White men.....	122		
" women.....	23		
		145	
Colored men.....	73		
" women.....	16		
		89	
Sent to House of Reformation for Colored Boys.....		63	
Died in Jail:			
White men.....	1		
Colored men.....	2		
" boys.....	2		
		5	
Discharge by courts, magistrates, expiration of sentence and otherwise.		9,373	
Remaining in Jail December 31st, 1890.....		580	
			10,395

EXHIBIT D.

DR. *Being a Summary of Receipts and Expendi-*

1890.			
Dec. 31.	To officers' salaries, physician, gardener and baker	$27,319	50
	To subsistence of prisoners	12,729	44
	To subsistence of Warden's family, &c	1,978	75
	To fuel and light	3,896	10
	To expense account	2,893	24
	To sanitary account	2,370	13
	To clothing for prisoners, &c	2,614	00
	To hospital account	670	18
	To amount paid Comptroller, derived from various sources	13,670	98
		$68,142	32
Appropriation from Mayor and City Council		$55,000	00
Warrants on Comptroller		54,471	34
	To balance of appropriation of 1890 in hands of Comptroller	$528	66

EXHIBIT D.

tures for the year ending December 31st, 1890. Cr.

1890.		
Dec. 31.	By United States docket.....	$ 8,942 00
	By labor account.....	4,728 98
	By Mayor and City Council.....	54,471 34
		$68,142 32

Physician's Report.

REPORT.

HOSPITAL DEPARTMENT.

BALTIMORE, December 31st, 1890.

To the Board of Visitors of
the Baltimore City Jail.

GENTLEMEN:

I have the honor to report that the sanitary condition of the Baltimore City Jail has, since my incumbency, been excellent, and the records of my predecessor, Dr. W. W. White, show an equally good condition for the early part of the year.

A number of cases of serious illness and several severe injuries have been treated, and all have been sufficiently improved to return to their ordinary avocations at the expiration of their terms of service.

Those who have been sent to the almshouse or other hospitals, or places of restraint, have been insane, infirm with old age, or in apprehension of child-birth, except one who was ill with acute dysentery.

Before I assumed charge of the medical department of this Institution, there had been three deaths in 1890 from causes mentioned in the tabulated statement

appended to this report; since then, one death has occurred from chronic Bright's disease associated with disease of the heart—this death was anticipated from the first and unavoidable; and one other, from fatty degeneration of the heart. He died before I saw him, immediately after entrance.

Although the hygiene of the Institution is almost everything that the construction of the building permits, yet I would respectfully submit that something may be done to contribute to the comfort of those prisoners who are seriously ill, many of whom by no means belong to our most criminal classes.

To this end I would suggest that one cell of each tier be provided with more comfortable bed and bedding, and a few articles of plain furniture, and be kept exclusively for those who are so ill as to have to keep to their beds.

It seems to me, also, that one padded cell should be provided for the delirious, of whom there are many in the course of the year, in order that they may receive no injury from accidental contact with the stone walls.

The tabulated statement shows that the whole number of patients treated in 1890 was 4,332. Of these, 1,670 were treated during the incumbency of Dr. White, and 2,662 during my term of office, which began on the eleventh day of April.

A considerable number of these cases were intestinal and stomach troubles, due to the sameness of the food, and for the same reason somewhat more difficult to manage than usual.

One birth occurred at term, and both mother and child did well.

I beg leave further to state that, from all the officers of the Institution, the most prompt and efficient aid has been furnished me when required, but I desire especially to call attention to the intelligent, zealous and kindly supervision of the sick and wounded exercised by my hospital steward, whose assistance has been of the greatest value to me.

Very truly yours,

THOS. S. LATIMER,

Physician Baltimore City Jail.

DEATHS.

January 7th.—Geo. Brown, colored, of pulmonary hemorrhage; sick three days.

January 12th.—Jno. W. Tyler, colored, of influenza; sick 72 days.

March 22d.—Joseph Chaney, colored, of convulsions; sick one day.

September 10th.—Patrick McEnroe, white, of fatty degeneration of the heart; died suddenly.

October 9th.—Frank James, colored, of organic disease of the heart; sick four months.

Report of Cases Treated in the Baltimore City Jail for the year ending December 31st, 1890.

Acoholism	1,344	Frost-bite	2
Asthma	70	Felon	10
Aneurism	3	Fistulæ	7
Amenorrhea	10	Gleet	5
Abcess	8	Gonorrhœa	82
Bronchitis	160	Gastritis	7
Bite, man and horse	4	General Debility	5
Burn	15	Herpes	8
Bubo. chancroidal	7	Hernia	14
Bil. Dysentry	101	Heart Disease	12
Colic	77	Hemorrhoids	44
Constipation	273	Hypocondriasis	1
Catarrh	354	Hæmaturia	1
Cholera Morbus	32	Insanity, acute	7
Cancerous Growth	6	Influenza	271
Calculii Urinarious	4	Intermit. Fever	34
Cirrhosis Liver	1	Incon. of Urine	4
Conjunctivitis	7	Iritis Syphilitica	8
Chancroids	55	Liver Derangement	268
Chicken-Pox	5	Lumbago	35
Cerebral Congestion	2	Leucorrhœa	21
Circumcision	1	Malaria	71
Carbuncle	2	Mastitis	9
Diarrhœa	96	Metrorrhagia	8
Dislocations Shoulder	2	Morphine Habit	13
" Elbow	1	Mania-a-potu	48
Dropsy	5	Measles	4
Dysmenorrhœa	10	Masturbation	3
Dyspepsia	37	Nervous Debility	12
Epididymitis	6	Neuralgia	37
Epilepsy	15	Orchitis	3
Eczema	7	Otorrhœa	3
Erysipelas	5	Pharyngitis	46
Fractures, arm, etc	9	Pleurodynia	35

Report of Cases Treated, &c.—Concluded.

Pediculi Pubis	16	Strictures	7
Pertussis	2	Syphilis	59
Pneumonitis	2	Ulcers	68
Phthisis Pulmonalis.	24	Urticaria	23
Phymosis	2	Uræmia	3
Paralysis	3	Vertigo	3
Rheumatism, chronic.	95	Varicose Vein	9
Rheumatism, acute, Inflamatory	11	Venereal Warts	4
Retention of Urine	5	Wounds—incised, contused, lacerated, gunshot.	67
Sprains	46		
Scorbutus	1		
Scrub, girl's knee	3		
Scald	4	Total	4,332
Sciatica	3		

SUMMARY.

White males	2,514
White females	361
Colored males	990
Colored females	467
Total	4,332

RESULT OF TREATMENT.

Cured	4,000
Relieved	302
Died	5
Under treatment	25
Total	4,332

SENT TO BAYVIEW ASYLUM, ETC.

White males	15
White females	6
Colored males	2
Colored females	0
Total	23

THOS. S. LATIMER,

Physician Baltimore City Jail.

ANNUAL REPORT

OF THE

WATER DEPARTMENT

TO THE

Mayor and City Council of Baltimore,

FOR THE

Fiscal Year Ending December 31, 1890.

OFFICERS OF THE WATER BOARD.

DECEMBER 31, 1890.

COMMISSIONERS.

HON. ROBERT C. DAVIDSON, MAYOR, *Ex-officio President.*
JOHN F. HUNTER, *Secretary.*
WM. A. MARBURG,
JOHN E. HURST,
JOS. S. HEUISLER,
CLINTON P. PAINE,
FRANCIS H. HAMBLETON.

REGISTRAR'S DEPARTMENT.

E. SHRIVER, *Water Registrar.*
JAMES A. MARRIAN, *General Book-Keeper.*
JAMES S. ETCHBERGER, *Cashier.*
J. J. C. SCULLY, *Clerk of Errors.*
WM. GILMOR, OF WM., *Ledger Clerk.*
E. J. EDWARDS, "
A. J. C. WHITE, "
JOHN GIBSON, "
SAMUEL A. HART, "
J. BEALE HOWARD, "
E. A. HOGG, *Meter and New Supply Clerk.*
T. J. PENNING, *Ass't* " " "
BENJ. PRICE,
GEORGE A. COLEMAN,
JOHN D. ALCOCK,
D. G. CARLISLE,
S. L. AUERBACH,
JOHN F. KERNS,
LEONARD C. HORNICK.
BARNEY L. HESS,
District Inspectors and Bill Distributors.
GEORGE W. EMMERICH, *Special Inspector.*

ENGINEER'S DEPARTMENT.

ROB'T K. MARTIN, *Chief Engineer.*
WM. L. KENLY, *Engineer and Superintendent of County Division.*
ROB'T L. CLEMMITT, *Draughtsman.*
J. P. HUPPMANN, *Clerk—Mechanical Department.*
RICH'D D. MURPHY, " " "

REPORT.

BOARD OF WATER COMMISSIONERS, CITY HALL,

BALTIMORE, January 2, 1891.

To the Honorable the Mayor and

City Council of Baltimore:

GENTLEMEN:

We herewith respectfully submit the following report of the Water Department for the year ending December 31st, 1890:

There remained to the credit of the Water Department, December 31st, 1889—

Revenue account	$24,773 85
Permanent supply account	3,833 52
Making a total of	$28,607 37
Add net receipts from all sources for the year 1890	917,556 61
Total amount available for 1890	$946,163 98

Amount brought forward		$946,163 98
The disbursements during the year ended December 31st, 1890, aggregate		909,561 22
Leaving a balance December 31st, 1890		$36,602 76
Composed as follows:		
Permanent supply account	$3,833 32	
Revenue account	22,162 40	
1926 loan account	10,606 84	
		$36,602 76

The net revenue received during the year 1890, from water rents, meter supplies, plumbing, &c., after deducting $31,103.31 discount on 1890 water rents, was	$658,499 21
Received of 1926 water loan	200,000 00
Received water tax	52,057 40
Received Northern Central Railroad for sale of land	7,000 00
	$917,556 61

The receipts of the current year water rents show an increase of $7,401.49 as compared with the 1889 water rents received in that year.

The receipts of back years' water rent for the year show a decrease of $10,266.97 as compared with same receipts of the previous year. This decrease is caused by the reduction of rates in 1889, as ordered by the Board in 1888.

The receipts from meter rents in 1890 were...	$128,659 34
In 1889 they were.....	106,797 86
An increase for the past year of.....	21,861 48
The total net receipts for 1890	710,556 61
The total net receipts for 1889	672,020 61
Increase receipts of 1890 over 1889	$38,536 00
Applications for new supplies made during the year will yield an annual revenue of.....	13,675 30

A decrease of $2,572.70 as compared with new revenue in 1889.

The applications were for 2,036 houses and warehouses. Applications for 1889 were 2,366.

The disbursements for the year were as follows:

To pay 12 months' interest on $10,100,000 water loan.....	$496,630 00
Expended from the $1,000,000 loan for construction of Guilford reservoir, new pump house, force main, &c.....	146,219 61
Working expenses, fire plugs, fountains, &c...	144,120 80
Distributing mains.....	122,590 81
	$909,561 22

During the year the Finance Commissioners placed to the credit of the Water Board, at par, $200,000 of the one million loan.

The accompanying reports of the Water Registrar and Chief Engineer give full details of the working of the different departments for the entire year. All of which is respectfully submitted.

ROBERT C. DAVIDSON,
Ex-officio President,
JOHN F. HUNTER, *Secretary,*
JOHN E. HURST,
CLINTON P. PAINE,
WILLIAM A. MARBURG,
JOS. S. HEUISLER,
F. H. HAMBLETON,
Commissioners.

Water Registrar's Report.

REPORT.

WATER REGISTRAR'S OFFICE—CITY HALL,

BALTIMORE, December 31st, 1890.

To the Honorable the President and
Members of the Water Board:

GENTLEMEN:

The following statements, which are made as directed by City Ordinance No. 10, Section 8, showing the receipts and disbursements for the year 1890, are respectfully submitted:

RECEIPTS.

From 1890 water rents.....	$379,773 71
" 1889 " "	119,710 13
" 1888 " "	8,118 81
" 1887 " "	2,644 43
	$510,247 08
Less discount on 1890 water rents.....	31,103 31
	$479,143 77

Amount brought forward	$479,143 77
Meter rents	128,659 34
Plumbing bills	45,387 53
Interest on back water rents	2,601 55
Lake Roland	1,077 00
Loch Raven	173 91
H. S. pump-house	8 75
Distributing main	1,098 38
Lake Montebello	84 50
Jones' Falls Conduit	22 00
Druid Lake	22 20
Hampden Reservoir	40 28
High Service Reservoir	5 00
Mayor and City Council Appropriations	175 00
Eastern Pumping Station	7,000 00
Water tax	52,057 40
Water loan 1926	200,000 00
Total net receipts	$917,556 61

DISBURSEMENTS.

Lake Roland	$ 4,399 00
Salaries	33,216 10
H. S. pump-house	18,223 40
Repairs	16,750 76
Temporary supply	614 12
Current expenses	4,231 86
Druid Lake	2,978 88
Printing and Stationery	1,601 87
High Service Reservoir	220 54
Hampden Reservoir	1,100 70
Mount Royal Reservoir	1,139 84
Loch Raven	11,943 95
Lake Montebello	3,889 98
Water courses	1,134 96
Jones' Falls Conduit	133 52
Plumbing Department, including $14,239 18 U. S. C. Co	30,786 76
Lake Clifton	1,646 19
Working expenses	134,012 43
Distributing mains	122,590 81
Tools and fixtures	5,361 52
Fire plugs, pumps and fountains	3,419 12
Lake Clifton	25,342 08
Lake Clifton distributing main	7,224 05
Eastern Pumping Station	36,993 07
Force main	25,922 35
Guilford Reservoir	19,889 95
Suction main	30,848 11
Interest	496,630 00
Returned money	1,327 73
Total disbursements	$909,561 22

The following statements exhibit in detail the financial transactions of the Department for the year 1890.

Statement A, Water Registrar's cash account.
" B, Water Registrar's disbursement account.
" C, trial balance, general ledger.
" D, balance sheet.
" E, receipts.
" F, disbursements.
" G, new supplies.
" H, abatements.
" I, comparative receipts.
" K, balance remaining on the books of the Department December 31st, 1889.
" L, Revenue.

Most respectfully submitted,

E. SHRIVER,

Water Registrar.

STATEMENTS.

STATEMENT A.

Water Registrar's Cash Account for the Year 1890.

	Dr.	Cr.
To balance on hand December 31st, 1889	$ 2,468 64	
To water rents, 1890..$379,773 71		
Less discount..... 31,103 31		
	348,670 40	
To Water rents, 1889.....	119,710 13	
" Water rents, 1888.....	8,118 81	
" Water rents, 1887.....	2,644 43	
" Meter rents.....	128,659 34	
" Interest on back water rents.	2,601 55	
" Plumbing bills.....	45,387 53	
" Lake Roland.....	1,077 00	
" Loch Raven.....	173 91	
" H. S. Pump House.....	8 75	
" Distributing Mains.....	1,098 38	
" Lake Montebello.....	84 50	
" Jones' Falls Conduit.....	22 00	
" Eastern Pumping Station....	7,000 00	
" Druid Lake.....	22 20	
" Hampden Reservoir.....	40 28	
" High Service Reservoir.....	5 00	
" Water Tax.....	52,057 40	
" Appropriations by Mayor and City Council.....	175 00	
Amount carried forward....	$720,025 25	

STATEMENT A—Continued.

	Dr	Cr.
Amount brought forward...	$720,025 25	
To Water Stock, 1926, transferred for construction of new works.....	200,000 00	
By deposit with City Register, January.....		95,594 87
" deposit with City Register, February.....		202,993 17
" deposit with City Register, March.....		52,709 39
" deposit with City Register, April.....		63,545 30
" deposit with City Register, May.....		43,610 75
" deposit with City Register, June.....		34,976 34
" deposit with City Register, July.....		52,623 39
" deposit with City Register, August.....		17,322 65
" deposit with City Register, September.....		13,106 96
" deposit with City Register, October.....		249,302 10
" deposit with City Register, November.....		14,812 87
Amounts carried forward....	$920,025 25	$840,597 79

STATEMENT A—Concluded.

	Dr.	Cr.
Amounts brought forward...	$920,025 25	$840,597 79
By deposit with City Register, December.....		25,087 59
" Water Tax, 12 months		52,057 40
" balance on hand December 31st, 1890.....		2,282 47
	$920,025 25	$920,025 25

STATEMENT B.

Water Registrar's Disbursement Account for the Year 1890.

	Dr.	Cr.
To Water Board warrants drawn on the City Comptroller from January 1st to December 31st, 1890	$909,561 22	
By Lake Clifton, construction		$ 25,342 08
" Lake Clifton distributing mains		7,224 05
" Eastern Pumping Station		36,993 07
" Force Main		25,922 35
" Guilford Reservoir		19,889 95
" Suction Main		30,848 11
" Distributing Main		122,590 81
" Tools and Fixtures		5,361 52
" Lake Roland		4,399 00
" Registrar's Department		24,899 52
" Engineer's Department		8,316 58
" Plumbing Department		30,786 76
" H. S. Pump House		18,223 40
" Repairs		16,750 76
" Temporary Supply		614 12
" Current Expenses		4,231 86
" Druid Lake		2,978 88
" Printing and Stationery		1,601 87
Amounts carried forward	$909,561 22	$386,974 69

STATEMENT B—Concluded.

	Dr.	Cr.
Amounts brought forward....	$909,561 22	$386,974 69
By High Service Reservoir.....		220 54
" Hampden Reservoir.....		1,100 70
" Mt. Royal Reservoir.....		1,139 84
" Loch Raven.....		11,943 95
" Lake Montebello.....		3,889 98
" Water Courses.....		1,134 96
" Jones' Falls Conduit.....		133 52
" Pumps and Fountains.....		1,256 06
" Fire Plugs.....		2,163 06
" Returned Money.....		1,327 73
" Lake Clifton.....		1,646 19
" Interest on Water Stock.....		496,630 00
	$909,561 22	$909,561 22

STATEMENT C.

DR. *Trial Balance, General*

Folio.		
6	Construction of new works	$3,155,437 88
8	Real estate and water rights	769,388 17
10	Gunpowder real estate and water rights	229,827 21
12	Gunpowder permanent supply	4,117,914 50
26	Mayor and City Council	34,320 29
82	Water Registrar's cash	2,282 47
150	Lake Clifton Construction	724,303 60
151	Lake Clifton	1,646 19
156	Guilford reservoir	85,650 03
167	Distributing mains	2,164,508 12
178	Lake Clifton distributing mains	409,991 92
185	Tools and fixtures	12,196 52
196	Water meters	10,697 26
207	Repairs	16,750 76
218	Lake Roland	3,322 00
222	Druid Lake	2,956 68
226	High service reservoir	215 54
230	Hampden reservoir	1,060 42
234	Mount Royal reservoir	1,139 84
238	Printing and stationery	1,601 87
243	Current expenses	4,231 86
256	Engineer's department	8,316 58
260	Registrar's department	24,899 52
264	Returned money	1,327 73
268	Pumps and fountains	1,106 06
278	Loch Raven	11,770 04
282	Lake Montebello	3,805 48
286	High service pump house	18,214 65
295	Fire plugs	2,163 06
304	Eastern pumping station	58,057 72
314	Temporary supply machinery	240 48
318	Force main	66,726 37
322	Temporary supply	614 12
326	Temporary supply mains	8,494 47
330	Water courses	1,134 96
334	Jones' Falls conduit	111 52
338	Suction main	30,848 11
404	Discount	31,103 31
		$12,018,377 31

STATEMENT C.

Ledger, December 31st, 1890. CR.

Folio.		
1	City six per cent. water stock	263,000 00
1	City five per cent. water stock	8,737,000 00
1	City four per cent. water stock	1,300,000 00
2	Profit and loss	1,063,854 34
356	Plumbing department	13,015 00
440	Interest	2,601 55
489	Meter rents	128,659 34
516	1887 water rents	2,644 43
525	1888 water rents	8,118 81
536	1889 water rents	119,710 13
552	1890 water rents	379,773 71
		$12,018,377 31

STATEMENT D.

DR. *Balance Sheet, General*

Folio.		
6	Construction of new works	$3,155,437 88
8	Real estate and water rights	769,388 17
10	Gunpowder real estate and water rights	229,827 21
12	Gunpowder permanent supply	4,117,914 50
26	Mayor and City Council	34,320 29
82	Water Registrar's cash	2,282 47
150	Lake Clifton—construction	724,303 60
156	Guilford reservoir	85,650 03
167	Distributing main	2,164,508 12
178	Lake Clifton distributing mains	409,991 92
184	Tools and fixtures	6,835 00
196	Water meters	10,697 26
304	Eastern pumping station	58,298 20
318	Force main	75,220 84
338	Suction main	30,848 11
		$11,875,523 60

STATEMENT D.

Ledger, December 31st, 1890. Cr.

Folio.		
1	City six per cent. water stock.....	$263,000 00
1	City five per cent. water stock	8,737,000 00
1	City four per cent. water stock.....	1,300,000 00
2	Profit and loss.....	1,575,523 60
		$11,875,523 60

STATEMENT E.

Receipts of the Water Department for the Year 1890.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Water rents, 1890	$46 966 02	$209,567 03	$41,625 55	$15,271 76	$8,951 89	$7,758 20	$6,092 12	$5,238 74	$7 717 46	$6,056 74	$5,643 54	$18,884 66	$379,773 71
Water rents, 1889	17,977 84	12 552 03	11,486 54	20,425 74	27,068 85	14,291 52	9,199 04	4,037 33	1,259 91	625 84	402 98	382 51	119,710 13
Water rents, 1888	535 53	353 74	601 24	866 16	1,595 17	1,342 80	1,244 14	753 16	237 50	190 87	259 50	139 00	8,118 81
Water rents, 1887	220 00	110 75	174 75	137 67	401 00	489 75	422 50	263 50	172 00	62 67	125 84	64 00	2,644 43
Meter rents	31,078 40	184 45	512 81	25,531 49	766 99	304 94	31,618 53	686 33	177 73	37,432 97	343 82	20 88	128,659 34
Interest on back water rents	49 61	98 58	164 18	365 34	650 57	482 77	376 91	217 37	58 50	40 04	59 21	38 47	2,601 55
Plumbing bills	2,948 15	885 71	1,807 12	1,484 20	4,299 34	3,626 91	3,357 10	5,886 15	3,460 54	4,918 65	7,762 30	4,951 36	45,387 53
Lake Roland	102 93	107 29	105 32	83 43	139 01	42 74	76 11	53 75	6 79	46 82	45 97	266 84	1,077 00
Loch Raven	8 00			13 00	13 00	12 00	79 91	12 00	12 00	8 00	8 00	8 00	173 91
Pump house	1 00							7 75					8 75
Distributing main	205 63	155 00		32 55		3 52	97 26	152 20		5 58	61 23	385 41	1,098 38
Lake Montebello				84 50									84 50
Jones' Falls conduit					10 00						12 00		22 00
Eastern pumping station						7,000 00							7,000 00
Druid lake								22 20					22 20
Hampden reservoir								40 28					40 28
High-service reservoir									5 00				5 00
	$100,093 11	$224,014 58	$56 477 51	$64,295 84	$43 895 82	$35,355 15	$52,563 62	$17,370 76	$13,107 43	$49,388 18	$14,724 39	$25,141 13	$696,427 52

Appropriation made by Mayor and City Council	For hydrant at school house, Woodberry lane	25 00
	For fountain, North and Eager streets	75 00
	For fountain, Garrison lane	75 00
Received water tax		52 057 40
Received of 1926 water stock		200 000 00
		$948,659 92

STATEMENT F.

Disbursements of the Water Department for the Year 1890.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Lake Clifton, construction	$6,042 85	$1,826 21	$1,410 30	$1 057 10	$1,798 99	$2,196 97	$5,609 80	$4,054 44	$1,345 42	.....	.....	.....	$25,342 08
Lake Clifton distributing main	795 73	274 66	501 66	223 40	3,541 50	1,351 48	2 50	.....	.....	$ 533 12	.....	.....	7,224 05
Eastern pumping station	851 99	390 05	94	1,462 12	956 14	1,565 46	2,819 38	1,910 41	8,625 26	5,730 36	$8,036 92	$4 644 04	36,993 07
Force main	636 44	410 81	464 14	1,877 21	11,664 13	1,803 09	1,937 95	177 94	2,094 86	3,912 91	395 75	547 12	25,922 35
Guilford reservoir	1,242 93	1,560 90	674 07	694 78	3,416 95	1,020 63	1,006 27	1,237 29	2,500 41	2,439 21	1,735 91	2,360 60	19,889 95
Suction main	.....	.....	.....	73 78	4 926 60	4,517 42	9,891 35	8,633 58	526 50	2,278 88	.....	.....	30,848 11
Distributing mains	7,945 56	4,541 32	3,406 64	12,878 83	19,698 61	16,669 90	10,932 52	9,991 55	6,912 46	15,319 43	7,232 90	7,061 09	122,590 81
Tools and fixtures	652 73	185 21	180 07	154 18	273 66	66 91	17 45	95 82	106 46	1,269 72	1,496 33	862 98	5,361 52
Lake Roland	563 30	244 32	141 53	134 65	185 71	286 57	730 98	692 65	302 13	491 82	448 63	176 71	4,399 00
Registrar's department, salaries	2 074 96	2,074 96	2,074 96	2,074 96	2,074 96	2,074 96	2,074 96	2,074 96	2,074 96	2,074 96	2,074 96	2,074 96	24,899 52
Engineer's department, salaries	708 32	691 66	691 66	691 66	691 66	691 66	691 66	691 66	691 66	691 66	691 66	691 66	8,316 58
Plumbing department	1,381 39	1,468 54	960 88	1,473 20	2,665 31	2,603 25	2,217 74	5,917 85	3,217 45	3,690 82	2,720 27	2,470 06	30,786 76
High-service pump house	699 63	934 65	1,061 22	703 54	678 68	1,218 10	8,943 07	752 06	780 72	821 80	791 40	838 53	18,223 40
Repairs	1,474 83	825 90	944 47	1,092 56	1,717 02	1,452 98	1,347 33	1,481 24	1,347 65	1,668 68	1,604 04	1,794 06	16,750 76
Temporary supply	61 00	50 00	53 12	50 00	50 00	50 00	50 00	50 00	50 00	50 00	50 00	50 00	614 12
Current expenses	303 26	494 82	292 51	299 97	370 10	281 65	289 71	491 60	235 19	443 75	303 34	425 96	4,231 86
Druid lake	180 00	77 72	80 00	101 96	188 62	268 57	395 14	206 46	308 38	774 96	276 35	120 72	2,978 88
Printing and stationery	147 90	71 00	265 70	27 00	4 45	.....	83 79	451 75	34 35	.....	42 10	473 83	1,601 87
High-service reservoir	10 00	10 00	10 00	17 49	16 00	25 00	23 00	36 00	11 80	25 75	26 50	10 00	220 54
Hampden reservoir	36 26	22 51	28 51	27 97	105 28	235 35	143 66	128 46	56 26	128 67	121 16	66 61	1,100 70
Mount Royal reservoir	45 41	45 41	54 79	71 81	141 46	425 82	45 63	78 41	50 33	86 45	45 41	48 91	1,139 84
Loch Raven	4,475 90	754 90	369 44	400 10	1,182 28	767 40	582 04	710 24	844 09	682 09	900 68	274 79	11,943 95
Lake Montebello	111 84	133 46	73 61	109 85	140 39	129 15	140 68	107 69	153 83	1,350 77	713 45	725 26	3,889 98
Water courses	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	83 33	105 83	94 58	94 58	1,134 96
Jones' Falls conduit	10 00	10 00	10 00	10 00	16 00	10 00	10 00	10 00	10 00	17 52	10 00	10 00	133 52
Pumps and fountains	77 50	96 72	92 60	110 90	88 01	122 20	112 86	115 32	121 35	97 24	107 17	114 19	1,256 06
Fire plugs	262 83	273 18	184 77	85 75	70 43	85 01	80 58	177 28	56 73	119 19	390 36	376 95	2,163 06
Returned money	70 48	74 95	141 30	354 93	179 62	69 96	130 89	84 20	43 47	60 34	71 24	46 35	1,327 73
Lake Clifton	.....	.....	.....	.....	.....	.....	.....	.....	.....	403 44	616 36	626 39	1,646 19
	$30,957 62	$17,638 44	$14,263 47	$26,354 28	$56,937 14	$40,084 07	$50,404 52	$40,453 44	$32,585 05	$45,269 37	$30,997 47	$26,986 35	$412,931 22
Twelve months' interest on $10,100,000.00 water stock													496,630 00
													$909,561 22

STATEMENT G.

New Supplies for the Year 1890.

640	houses	@	$ 3 00	$ 1,920 00	
333	"	@	5 00	1,665 00	
439	"	@	6 00	2,634 00	
52	"	@	7 50	390 00	
188	"	@	7 00	1,316 00	
141	"	@	8 00	1,128 00	
93	"	@	9 00	837 00	
55	"	@	10 00	550 00	
4	"	@	11 00	44 00	
21	"	@	12 00	252 00	
46	"	@	13 00	598 00	
2012					$11,334 00
4	warehouses	@	6 00	24 00	
8	"	@	8 00	64 00	
12	"	@	10 00	120 00	
2036					208 00
	Amount carried forward				$11,542 00

STATEMENT G—Continued.

Amount brought forward					$11,542 00
24 baths	@	$ 2 00..	$ 48 00		
161 hose	@	3 00..	483 00		
41 horses	@	1 50..	61 50		
36 carriages	@	1 50..	54 00		
54 cows	@	1 00..	54 00		
3 bars	@	3 00..	9 00		
8 bars	@	5 00..	40 00		
		PER H. P.			
1 40-horse power boiler	@	3 00..	120 00		
1 30 " " "	@	3 00..	90 00		
1 23 " " "	@	3 00..	69 00		
1 20 " " "	@	3 00..	60 00		
2 10 " " "	@	3 00..	60 00		
1 8 " " "	@	3 00..	24 00		
1 5 " " "	@	3 00..	15 00		
1 4 " " "	@	3 00..	12 00		
1 oyster establishment	@	5 00..	5 00		
1 " "	@	20 00..	20 00		
1 fountain	@	10 00..	10 00		
1 heater	@	5 00..	5 00		
2 "	@	10 00..	20 00		
2 "	@	20 00..	40 00		
8 churches	@	5 00..	40 00		
10 offices	@	4 00..	40 00		
1 bottling establishm't	@	5 00..	5 00		
2 " "	@	10 00..	20 00		1,404 50
Amount carried forward					$12,946 50

STATEMENT G—Concluded.

Amount brought forward				$12,946 50
1 butchery	@	5 00	5 00	
1 "	@	10 00	10 00	
2 troughs	@	20 00	40 00	
1 hot-house	@	5 00	5 00	
8 motors	@	25 00	200 00	
1 "	@	30 00	30 00	
1 "	@	35 00	35 00	
1 "	@	55 00	55 00	
1 special rent	@	100 00	100 00	
1 " "	@	60 00	60 00	
1 " "	@	50 00	50 00	
1 " "	@	20 00	20 00	
1 " "	@	10 00	10 00	
2 " "	@	7 00	14 00	
1 " "	@	12 00	12 00	
1 " "	@	9 00	9 00	
1 " "	@	28 80	28 80	
2 " "	@	12 00	24 00	
1 " "	@	21 00	21 00	
				728 80
Producing a yearly revenue of				$13,675 30

STATEMENT H.

Abatements Condensed for the Year 1890.

	1887.		1888.		1889.		1890.	
Vacancies	16	$288 00	50	$710 14	386	$3,110 16	427	$2,449 86
Duplicates & torn down	62	696 25	83	979 16	143	1,530 98	172	2,292 35
Hose			4	12 00	35	105 00	144	430 50
Horses	13	16 50	21	31 00	82	122 25	150	225 00
Carriages	3	4 50	11	16 00	39	58 75	69	103 50
Rents reduced	2	7 00	4	11 00	72	181 00	126	336 25
Bars			1	5 00	22	76 43	187	631 49
Specials	2	13 00	11	103 00	24	152 84	66	790 50
		$1,025 25		$1,867 30		$5,337 41		$7,259 45

Total amount of abatements for the year..... $15,489.41

STATEMENT K.

Balances Remaining on the Ledgers of the Water Department December 31st, 1890.

1890 water rents	$144,028 22
1889 " "	11,219 76
1888 " "	4,174 13
Plumbing bills	6,586 97
Meter rents	1,550 19
	$167,559 27

STATEMENT L.

Revenue from 1891 *Ledgers, January* 1*st*, 1891.

20,921 houses	@	$3 00	$62,763 00	
10,180 "	@	5 00	50,900 00	
12,995 "	@	6 00	77,970 00	
8,421 "	@	7 00	58,947 00	
6,279 "	@	8 00	50,232 00	
3,427 "	@	9 00	30,843 00	
2,864 "	@	10 00	28,640 00	
1,256 "	@	11 00	13,816 00	
3,919 "	@	12 00	47,028 00	
2,723 "	@	13 00	35,399 00	
				$456,538 00
72,985				
158 warehouses	@	6 00	$948 00	
466 "	@	8 00	3,728 00	
1,119 "	@	10 00	11,190 00	
				$15,866 00
74,728				
				$472,404 00
6,311 hose	@	3 00	$18,933 00	
2,180 horses	@	1 50	3,270 00	
1,296 carriages	@	1 50	1,944 00	
897 bars	@	3 00	2,691 00	
953 bars	@	5 00	4,765 00	
1,870 H. P. boilers	@	3 00	5,610 00	
172 offices	@	4 00	688 00	
189 churches	@	5 00	945 00	
				$38,846 00
Specials, embracing rents, motors, &c.				25,676 80
				$536,926 80
Meters and indicators (estimated) .				150,000 00
				$686,926 80

STATEMENT I.

Comparative Statement of Receipts for the Years 1888, 1889 *and* 1890.

1888.		1889.		1890.	
1888 Water rents	$396,734 32	1889 Water rents	$372,372 22	1890 Water rents	$379,773 71
1887 Water rents	118,301 84	1888 Water rents	127,714 38	1889 Water rents	119,710 13
1886 Water rents	6,070 40	1887 Water rents	10,233 04	1888 Water rents	8,118 81
1885 Water rents	1 681 00	1886 Water rents	2,792 92	1887 Water rents	2,644 43
Meter rents	108,364 90	Meter rents	106,797 86	Meter rents	128,659 34
	$631,152 46		$619,910 42		$638,906 42
Less discount on 1888 water rents	32,954 67	Less discount on 1889 water rents	30,698 29	Less discount on 1890 water rents	31,103 31
	$598 197 79		$589,212 13		$607,803 11
Plumbing bills	31,556 06	Interest on back water rents	2,900 99	Interest on back water rents	2,601 55
Interest on back water rents	2,395 29	Plumbing bills	25,188 40	Plumbing bills	45,387 53
Distributing mains	787 02	Distributing mains	1,015 17	Lake Roland	1,077 00
Lake Montebello	142 78	Lake Roland	1,751 95	Loch Raven	173 91
Lake Roland	1,231 51	Loch Raven	206 30	Pump house, high service	8 75
Loch Raven	218 46	Lake Montebello	49 50	Distributing main	1,098 38
Hampden reservoir	33 00	Druid lake	29 75	Lake Montebello	84 50
Jones' Falls conduit	59 00	Hampden reservoir	27 65	Jones' Falls conduit	22 00
Mount Royal reservoir	15 00	Jones' Falls conduit	41 20	Druid lake	22 20
High-service reservoir	6 50	Mount Royal reservoir	10 00	Hampden reservoir	40 28
Druid lake	11 00			High-service reservoir	5 00
				Appropriations by Mayor and City Council	175 00
	$634,653 41		$620,433 04		$658,499 21
Lake Clifton	744 06	Water tax	51,587 57	Water tax	52,057 40
Appropriation for new fire plugs and fountains	5,000 00	Water stock, 1926	200,000 00	Water stock, 1926	200,000 00
Water stock, 1926	400,000 00			Eastern pumping station	7,000 00
Water tax	48,903 52				
	$1,089,300 99		$872,020 61		$917,556 61

JONES' FALLS SUPPLY FOR THE YEAR ENDING DECEMBER 31, 1890.

NUMBER OF GALLONS.

Month.	Clear Water over Lake Roland Dam.	Muddy Water over Lake Roland Dam.	Water from Bottom Gates Lake Roland Gate House.	Clear Water sent through Conduit Gates Lake Roland.	Total Flow Jones' Falls Per Month.	Average Flow of Stream Per Day.	Average Sent to City Per Day.	Pumped to High Service Reservoir from Druid Lake.
January	672,000,000	.....	.....	500,000,000	1,172,000,000	37,800,000	15,742,000	87,995,550
February	346,000,000	369,000,000	432,000,000	393,000,000	1,540,000,000	55,000,000	15,000,000	77,296,200
March	400,000,000	197,000,000	460,000,000	530,000,000	1,587,000,000	51,200,000	15,163,229	80,228,850
April	327,000,000	154,000,000	550,000,000	452,000,000	1,483,000,000	49,400,000	15,533,333	98,659,636
May	259,000,000	324,000,000	605,000,000	508,000,000	1,696,000,000	54,700,000	16,900,000	127,364,670
June	150,000,000	.....	74,000,000	556,000,000	780,000,000	26,000,000	18,400,000	141,089,800
July	188,000,000	.....	.....	654,000,000	842,000,000	27,000,000	20,800,000	165,236,025
August	177,000,000	370,000,000	706,000,000	506,000,000	1,759,000,000	56,700,000	18,100,000	150,354,510
September	194,000,000	.....	80,000,000	686,000,000	960,000,000	32,000,000	19,796,667	146,632,200
October	310,000,000	.....	268,000,000	590,000,000	1,168,000,000	37,700,000	18,600,000	146,831,300
November	341,000,000	.....	.....	526,000,000	867,000,000	28,900,000	17,000,000	120,019,500
December	352,000,000	.....	121,000,000	501,000,000	974,000,000	31,100,000	16,000,000	124,237,200
Totals	3,716,000,000	1,414,000,000	3,296,000,000	6,402,000,000	14,828,000,000	40,625,000	17,253,000	1,465,945,441

GUNPOWDER WATER SUPPLY FOR THE YEAR ENDING DECEMBER 31, 1890.

NUMBER OF GALLONS.

Month.	Clear Water over Loch Raven Dam.	Muddy Water over Loch Raven Dam.	Waste Water from Bottom Gates Loch Raven Gate House.	Clear Water Sent to Lake Montebello from Loch Raven.	Total Flow of the Gunpowder Per Month.	Average Flow of Stream Per Day.	Average Sent to City Per Day.	Sent to City from Both Supplies Per Day.
January	7,866,000,000	724,000,000	1,748,000,000	1,566,000,000	11,904,000,000	384,000,000	20,100,000	35,852,000
February	6,510,000,000	4,410,000,000	1,578,000,000	1,026,000,000	13,524,000,000	483,000,000	20,500,000	35,500,000
March	7,913,000,000	3,200,000,000	1,748,000,000	1,306,000,000	14,167,000,000	457,000,000	21,000,000	36,163,229
April	5,520,000,000	2,865,000,000	1,691,000,000	1,296,000,000	11,372,000,000	379,000,000	21,800,000	37,333,333
May	3,377,000,000	10,127,000,000	1,748,000,000	1,026,000,000	16,278,000,000	525,000,000	23,000,000	39,900,000
June	3 918,000,000	3,090,000,000	1,691,000,000	886,000,000	9,585,000,000	319,500,000	25,500,000	43,900,000
July	2,801,000,000	864,000,000	1,748,000,000	1,198,000,000	6,611,000,000	213,000,000	27,000,000	47,800,000
August	1,620,000,000	6,250,000,000	1,748,000,000	936,000,000	10,554,000,000	340,500,000	26,000,000	44,100,000
September	1,768,000,000	5,096,000,000	1,691,000,000	972,000,000	9,527,000,000	317,500,000	26,000,000	45,796,667
October	2,478,000,000	4,189,000,000	1,748,000,000	1,002,000,000	9,517,000,000	307,000,000	25,000,000	43,600,000
November	4,928,000,000	.....	1,691,000,000	1,031,000,000	7,650,000,000	255,000,000	24,800,000	41,800,000
December	4,901,000,000	887,000,000	1,748,000,000	936,000,000	8,472,000,000	273,000,000	24,000,000	40,000,000
Totals	53,600,000,000	41,702,000,000	20,578,000,000	13,181,000,000	129,161,000,000	354,458,333	23,725,000	40,978,229

Respectfully submitted,

WM. L. KENLY,

Engineer and Superintendent County Division Baltimore Water Department.

TABULAR STATEMENT.

Size and Number of Feet of Pipe, Stop Cocks and Branches Laid in the City.

	1½ Inch.	2 Inch.	3 Inch.	4 Inch.	4½ Inch.	6 Inch.	8 Inch.	10 Inch.	12 Inch.	16 Inch.	18 Inch.	20 Inch.	30 Inch.	36 Inch.	40 Inch.	Total of Pipe.
No. of feet of pipe laid previous to purchase by Water Company		13,203	95,411	31,876	72,462	60,704	10,040	14,330	12,209	26,168	4,627	8,588	14,203			363,821
Laid by Water Commissioners from July 1, 1855, to December, 1857		1,909	14,720	28,362		5,005	613	448				9,716				60,773
By Water Board, 1858		2,948	24,438	23,742		8,692	144									59,964
" " 1859		638	22,972	40,367		14,503		6,300	108							84,888
" " 1860			20,488	35 106		22,134		7,910				14,889	1,428			101,955
" " 1861		276	8,317	15,432		8,722		5,017				1,080	8,292			47,136
" " 1862		1,140	11,065	6,562		560				490		6 599	51			26,467
" " 1863		2,729	12 223	5,696		3,744		4,560		720	1,170	1,314				32,156
" " 1864	1,784	314	20,899	8,362		6 981		13,476	405	1,962	783	1,395				56,361
" " 1865	7,929	796	16 930	11,729		3,204										40,588
" " 1866	2,903	4,413	15,813	10,864		13,048										47,041
" " 1867	1,145	14,252	17 349	8,808		6,491½		9,372								57,417½
" " 1868	1,642	4,475½	20,466½	14,759½		2,012½										43,356
" " 1869	192	4,765	16,595	9,457½		4,037½										35,047
" " 1870		8,502	11,372	10,886		600										31,360
From January 1 to October 31, 1871		6,895	11,863	13,205		8,452										40,415
From October 31, 1871, to October 31, 1872	78	6,871½	13,660½	12,479		3,425										36 514
From October 31, 1872, to October 31, 1873		4,551	10,677½	8,032½		5,405		2,150		3,400						34,216
From October 31, 1873, to October 31, 1874	36	4,402	8,169	10,525		10 959	5,795	8,537⅛								48 423⅛
From October 31, 1874, to October 31, 1875		3,542	7,544½	8 837½		11,750		4,362½				11,160	8,959½			56,156
From October 31, 1875, to October 31, 1876		1,982½	7,053½	15 383		1,050		3,212½		5,175		202½	7,215½			41,274½
From October 31, 1876, to October 31, 1877		1,289	17,246½	15,571½		7,462½		75	137½							41,782
By Water Board, 1878	175	1,603	7,567	11,579½		3,000		4,800		837½		425	3,312½			33,299½
" " 1879		1,603	4,490	10,876		3,160		2,038⅛				2,975				25,142⅛
" " 1880		1,882	5,057½	7,777⅜		5,459½		1,398					1,050		36,640	59,264½
" " 1881		933	9,034⅜	12,290½		6,421⅜	1,717	3,169½								33,566½
" " 1882		1,058	8,423⅜	14,788		4 522⅜		4,964½								33,756½
" " 1883		1,269⅜	12,259	18,270½		13,295⅜	4,624⅜	5,026				15,817½	2,960½			73,524½
" " 1884		947	15,990½	25,302		11,100	530½	6,665⅛								60,535
" " 1885	27	651½	16,464½	25,884½		9,520⅜	2,197⅛	4,655⅜								59,401½
" " 1886	140	351	20,815⅜	27,582½	210	6,624	187⅜	4,196⅜								60,108
" " 1887	189	1,083½	16,998⅝	29,426⅛		11,093⅛	4,703	19,751½	6,114			13 074,½				102,433½
" " 1888	19	1,401	21,098	24,303⅜		11,153½	2,212	22,089	14,695			18,194⅜				115,165½
" " 1889	115	454	11,155½	30,360⅝		8,898⅛		8,726⅛	7,292⅛	12		10,342	6,564	17,554		101,474
" " 1890	35	1,025¾	11,850½	35,286½		12,911½	481⅛	11,051½	6,621¾				81	1,623	2,474	83,441½
	16,409	104,155½	566,478½	619,772½	72,672	316,103¾	33,245⅛	178,282½	47,582½	38,764½	6,580	115,772⅛	54,116½	19,177	39,114	2,228,224⅝

Chief Engineer's Report.

REPORT.

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OFFICE OF THE CHIEF ENGINEER—CITY HALL.

BALTIMORE, January 2, 1891.

To the Honorable the President and
Members of the Water Board:

GENTLEMEN:

I herewith submit the following report of the operations of the Engineer Department for the year ending December 31st, 1890.

There were fitted up by the mechanical department 54 fire plugs and 552 stop-cocks, of sizes from 2 to 36 inches.

There were laid in the following localities additional mains, as authorized by Ordinance No. 82, approved June 3d, 1886, viz:

A forty inch—Suction main for the Eastern High Service Pumping Station. From the corner of Oliver and Ann streets; thence bordering on Oliver to Wolfe, to North avenue, to Washington street, to the terminus of the 40-inch pipe from Lake Clifton. Length, 2,474 feet; cost, $29,028.19, or $11.73 per foot.

A thirty-six inch—Beginning at the York road and Twenty-fifth street; thence on Twenty-fifth street to Guilford avenue, to Guilford Reservoir. Length, 1,689 feet; cost, $14,981.77, or $8.87 per foot.

A twelve inch—Beginning at Calvert and Franklin streets; thence on Franklin to North, to Bath, to Holliday, to Saratoga, to Gay, to Frederick, to Second, to South, to German, to Light, to Baltimore, to St. Paul, to Saratoga street. Length, 6,494 feet; cost, $14,849.93, or $2.28 per foot.

A ten inch—On Union avenue, between the Northern Central Railway and Sycamore street, in Woodberry, crossing Jones' Falls. Length, 1,042 feet; cost, $1,413.25, or $1.35 per foot.

A ten inch—On the Belair road, between North avenue and the eastern city limits. Length, 4,212 feet; cost, $4,962.80, or $1.17 per foot.

A ten inch—On O'Donnell's Wharf, south of Pratt street. Length, 564 feet; cost, $788.19, or $1.40 per foot.

A ten inch—On Holliday street, between Lombard and Second streets. Length, 180 feet; cost, $325.62, or $1.80 per foot.

A ten inch—On Lexington street, between Liberty and Charles streets. Length, 444 feet; cost, $705.94, or $1.60 per foot.

A six and four inch—Beginning at Union avenue and Sycamore street; thence on Sycamore to Third avenue, to the Falls road, Woodberry. Length, 2,556 feet; cost, $1,769.80.

There were laid 17,813½ feet of 1½ inch pipe for plumbing supplies, and 83,441 feet of pipe mains for distribution, additional supplies and repairs, as follows:

35 feet		of	1½ inch.
1,025 feet	9 inches	2	"
11,850 feet	1 inch	3	"
35,286 feet	11 inches	4	"
12,911 feet	10 inches	6	"
481 feet	4 inches	8	"
11,051 feet	1 inch	10	"
6,621 feet	9 inches	12	"
81 feet		30	"
1,623 feet		36	"
2,474 feet		40	"
83,441 feet	9 inches, or $15\frac{4241}{5280}$ miles.		

The new building supplies in 1890 were 2,036, from which an annual revenue of $13,675.30 will be derived.

There were 482 leaks on main pipes, of sizes from 1½ to 40 inches, and 127 stop-cocks, of sizes from 2 to 30 inches, inspected and repaired.

There were 13 pumps removed and 10 wells filled up.

There were 60 new fire-plugs erected, of which 43 were located upon new and 17 upon old sites, viz:

ON NEW SITES.

N. E. corner Retreat and Salem.
North side Lexington, west of Crooked lane.
N. W. corner Biddle and Cannon.
Belair road, at Chemical engine house.
Belair road and Laurel Cemetery.
Belair road and Erdman lane.
Brehm's Brewery, (County).
S. W. corner Wolfe and Oliver.
S. W. corner York and Johnson.
N. W. corner Baltimore and North.
West side South, between Second and German.
West side North, between Baltimore and Fayette.
East side South, opposite Water.
S. E. corner Wolfe and North avenue.
N. E. corner Union avenue and Sycamore street.
N. W. corner Arlington avenue and York road.
S. E. corner North and Twenty-sixth street.
N. W. corner Vine and Pine.
S. W. corner Third avenue and Sycamore street.
S. W. corner Third avenue and Falls road.
N. W. corner Franklin and North.
N. E. corner North and Bath.
S. W. corner Holliday and Bath.
N. W. corner Holliday and Pleasant.
West side Holliday, between Pleasant and Saratoga.

N. E. corner Holliday and Saratoga.
South side Saratoga, between Holliday and Gay.
S. W. corner Gay and Saratoga.
Frederick street, at the Bend.
N. W. corner Frederick and Fayette.
N. W. corner Frederick and Baltimore.
West side Frederick, between Baltimore and Second.
N. W. corner Frederick and Second.
South side Second, between Gay and Postoffice avenue.
N. E. corner Biddle and Chester.
N. W. corner Holliday and Second.
North side German, between South and Calvert.
S. W. corner German and Grant.
N. E. corner Gay and Second.
S. W. corner German and Light.
S. E. corner Baltimore and Light.
S. E. corner Fayette and St. Paul.
S. E. corner St. Paul and Saratoga.

ON OLD SITES.

N. W. corner Hillen and Exeter.
N. E. corner Burke and Lancaster.
Broadway and Gay.
N. W. corner St. Peter and Scott.
N. E. corner Watson and Exeter.
S. W. corner Pratt and Hanover.
N. E. corner Fayette and Eutaw.
N. E. corner Preston and Mason alley.
N. E. corner Baltimore and North.

N. W. corner Lombard and Sharp.
N. W. corner Baltimore and Paca.
N. E. corner Baker and Calhoun.
N. W. corner Baltimore and Pearl.
N. W. corner Wolfe and Biddle.
N. W. corner Carey and Mosher.
High, near Baltimore.
St. Paul and Court-house lane.

The total number of fire-plugs in the city is 1,252.

There were 3 new fountains erected, viz:

West side Garrison lane, between McHenry and Lombard.
N. E. corner North and Eager.
N. E. corner Chestnut and Hillen.

There are in the city 115 public fountains for the use of man and beast, and 23 for mankind only.

The registered consumption of water by meters and indicators was as follows:

	Gallons.
Elevators by meters	45,580,128
Elevators by indicators	662,244,452
Railroads by meters	426,188,456
Miscellaneous by meters	540,530,232
Steamboat companies by meters	38,256,460
Pork packers and butchers by meters	103,641,452
Livery stables by meters	26,327,356
Amount carried forward	1,842,768,536

Amount brought forward	1,842,768,536
Beer breweries by meters	375,420,924
Whiskey distilleries by meters	45,506,824
Brick yards by meters	7,215,956
Coal oil refineries by meters	6,563,700
Drove yards by meters	11,398,024
Oyster and fruit packers by meters	72,095,232
Hotels by meters	44,458,128
Planing mills by meters	45,140,304
Total	2,450,567,628

Being an increase of 429,032,799 gallons over the year 1889.

The number and sizes of meters and the number of indicators placed in operation are as follows:

Meters	17	$\frac{3}{4}$ inch.
	14	1 "
	7	$1\frac{1}{2}$ "
	5	2 "
	15	3 "
	1	4 "
	59	
Indicators	30	
Total	89	

The number and sizes of meters and number of indicators in use are:

Meters—	329	$\frac{3}{4}$ inch.
	181	1 "
	104	$1\frac{1}{2}$ "
	111	2 "
	182	3 "
	6	4 "
	913	
Indicators..	396	
Total.....	1,309	

There were 13 meters withdrawn and indicators substituted.

The high-service pumps were worked 10,277$\frac{1}{4}$ hours; there were 1,465,945,441 gallons of water pumped into the reservoir, an increase of 260,901,623 gallons over the year 1889; and 1,967$\frac{1260}{2240}$ tons of coal and 11 cords of wood were consumed.

The amount expended in pumping water was $18,380.33, or at the rate of 1$\frac{253}{1000}$ cents per 1,000 gallons.

The fountain in the upper part of Druid lake was in operation 375$\frac{1}{2}$ hours.

The Jones' Falls supply afforded less than one-half the amount of water it did in 1889, and there was a decrease in the average rainfall during the year.

At Lake Roland the water was muddy forty days, and the greatest flow over the dam was two feet in height, in August.

There were 34 days during the summer when the water was below the crest of the dam; the extreme depth it fell was 10¼ inches, and during the remainder of the year there was water flowing over the dam at different heights.

I again have the satisfaction of reporting the conduit from Lake Roland to Hampden Reservoir, the four 30 inch pipe lines from Hampden Reservoir over to Druid Lake, the lakes and reservoirs of the Jones' Falls supply, together with the property belonging thereto, as having required no great amount of outlay in keeping them in repair and in efficient working order.

There has been an increase of over two million gallons of water daily drawn from Druid Lake to maintain the City consumption.

There was a minimum amount expended in the maintenance of the drive around Druid Lake, and it is hoped that in the near future the department will be relieved of its care by the Park Board.

The increase of pumpage on the High Service Supply last year was over seven hundred thousand gallons daily, and the pumps were required to be run during the summer almost consecutively day and night in order to keep the water in the reservoir at the requisite height.

The water in Loch Raven was muddy 98 days, 11 days less than the previous year, and the greatest flow over the dam was three feet in height in September.

There has been at Loch Raven a daily wastage through the bottom gates of 56 million gallons, and an average of 147 millions over the dam in excess of 24 million gallons used for City consumption.

The water drawn from Lake Montebello for the City's consumption was two million gallons daily in excess of 1889, and whenever the water in Loch Raven was clear a daily waste of 15 million gallons was kept up through the waste gates at Lake Montebello for purification.

During the year the driveways at Lake Clifton and the embellishments about the lake were completed and the lake was in use as a storage reservoir of the Gunpowder Supply.

The tunnel from Loch Raven to Lake Montebello, as also the one between Lakes Montebello and Clifton, and the 40-inch mains from Lake Clifton to the city, have cost the department nothing for repairs or maintenance the past year.

The customary daily inspection of the tributaries of the Gunpowder and Jones' Falls supplies was made, as in previous years.

The contractors for the construction of Guilford reservoir, the receiving reservoir of the new Eastern high-service supply, have made considerable progress in the excation and building of the embankments and puddle core of the same, and the entire line of 36-inch force main from the pumping station to the reservoir, with the exception of a gap of about 400 feet, has been laid.

The circular stack for the pumping station has been successfully completed. The building of the pumping station for the Eastern high-service, at Oliver and Ann streets, is well advanced towards completion, and the 40-inch suction main from the pumping station to North avenue and Washington street, there connecting with the Gunpowder supply from Lake Clifton, has also been laid.

The mechanical department, temporarily located in the old City Hall building, on North Holliday street, was moved in November to the new building erected for the purpose, at Oliver and Durham streets, adjacent to the Eastern pumping station.

I take pleasure in referring to the efficiency of the officers and employees of the department in the performance of their various duties.

Respectfully submitted,

ROBERT K. MARTIN,
Chief Engineer.

From	Amount turned over to Water Registrar.							Amount of Bills Delivered to Water Registrar for work done, etc					Total.
	Hay.	Empty barrels.	Fodder.	Ice.	Cow pasture.	Sand.	Rent.	Old scrap iron and brass.	Old material.	Lead dross.	For service pipes laid in city.	For mains laid in county.	
Lake Roland	$1,015 27		$16 07	$12 66		$33 00							$ 1,077 00
Jones' Falls conduit					$22 00								22 00
Loch Raven	37 91						$134 00						171 91
High Service Reservoir	5 00												5 00
Lake Montebello	84 50												84 50
Druid Lake	22 20												22 20
Hampden Reservoir	40 28												40 28
Distributing Main								$769 23	$29 15				798 38
Plumbing											$44,618 17	$1,610 77	46,228 94
Tools and Fixtures													
Pump House		$8 75											8 75
Totals	$1,205 16	$8 75	$16 07	$12 66	$22 00	$33 00	$134 00	$769 23	$29 15		$44.618 17	$1,610 77	$48,458 96

SUMMARY OF WORK DONE IN THE DEPARTMENT SHOP FOR 1890.

2 36-inch stops, changed to hydrostatic stops.
2 20-inch stops, with indicators.
3 16-inch stops.
23 12-inch "
80 6-inch "
295 4-inch "
112 3-inch "
35 2-inch "
1 old 6-inch stop repaired.
1 old 3-inch stop repaired.
24 5-inch plugs.
30 4-inch "
772 1½-inch caps.
400 1½-inch bushings.
24 2-inch "
72 3-inch ferrule clamps.
48 ¾-inch brass thimbles.
3 40-inch clamps.
6 30x4 clamps.
6 30x3 "
12 20x4 "
6 18x4 "
6 18x3 "
6 16x4 "
6 16x3 "
12 12x4 "
30 10x4 "

12 10x3 clamps.
12 10x2 "
6 8x4 "
6 8x3 "
6 8x2 "
18 3-inch meter strainers.
36 $\frac{3}{4}$-inch meter speeds.
48 1-inch " "
12 $1\frac{1}{2}$-inch " "
12 2-inch " "
6 2-inch meter valves.
6 3-inch " "
1 strainer for Guilford Reservoir.
2 air-vessels.
2 30-inch branch pipes for Eastern pumping station.

INVENTORY, 1890.

Distributing main and pipe fittings	$35,793 00
Tools and fixtures	6,835 00
Plumbing department	4,538 49
Montebello	3,553 97
Force main	2,807 90
Guilford reservoir	946 00
Plugs	558 85
Suction main	556 32
Eastern pumping station	102 40
Fountains	84 45
	$55,776 38

TABULAR STATEMENT—Continued.

	1¼ Inch.	2 Inch.	3 Inch.	4 Inch.	4½ Inch.	6 Inch.	8 Inch.	10 Inch.	12 Inch.	16 Inch.	18 Inch.	20 Inch.	28 Inch.	30 Inch.	36 Inch.	40 Inch.	Stops.
Stop-cocks by Water Company	....	12	61	94	....	55	9	8	8	9	4	8	....	2	....	....	270
Stop cocks by Water Commissioners	....	9	8	8	....	2	....	....	....	....	....	2	....	....	....	....	29
By Water Board, 1858	...	17	23	14	....	3	1	....	1	16	....	1	....	....	....	....	76
" 1859	....	15	30	54	....	16	....	7	...	....	....	....	....	....	....	....	122
" 1860	...	....	18	55	....	36	...	9	....	....	....	4	....	1	....	...	123
" 1861	....	7	7	24	....	8	....	3	....	....	....	....	....	5	....	....	54
" 1862	....	21	19	31	....	19	....	1	....	1	...	4	....	....	....	....	96
" 1863	....	8	20	28	....	2	....	2	....	....	....	1	....	....	....	....	61
" 1864	....	12	18	15	....	4	....	5	....	....	....	1	....	....	....	....	55
" 1865	....	24	13	6	...	2	....	....	....	....	....	..	....	....	....	....	45
" 1866	....	22	24	20	.	4	...	....	....	....	....	....	....	....	....	....	70
" 1867	....	46	22	5	....	5	...	3	....	....	....	....	....	....	....	....	81
" 1868	....	7	24	19	....	3	....	....	....	....	....	....	....	....	....	....	53
" 1869	....	....	7	18	...	3	....	....	....	....	....	....	....	....	....	....	28
" 1870	....	..	4	7	....	....	....	....	....	....	....	....	....	....	....	....	11
January 1 to October 31, 1871	....	5	11	25	....	5	....	....	....	....	....	....	....	....	....	....	46
October 31, 1871, to October 31, 1872	....	10	20	23	....	3	...	....	....	....	....	....	....	....	....	....	56
October 31, 1872, to October 31, 1873	....	7	14	25	..	12	....	2	....	2	....	....	....	....	....	....	62
October 31, 1873, to October 31, 1874	....	4	14	52	...	9	6	6	....	....	....	....	....	....	....	....	91
October 31, 1874, to October 31, 1875	....	3	5	31	....	10	....	6	....	1	....	6	....	2	....	....	64
October 31, 1875, to October 31, 1876	....	1	25	66	....	52	2	....	...	1	....	1	....	2	...	....	150
October 31, 1876, to October 31, 1877	....	5	69	50	....	13	....	2	....	....	....	....	....	....	....	....	139
By Water Board, 1878	...	7	29	22	....	2	....	6	....	4	....	2	....	1	...	....	73
" 1879	....	4	15	37	....	6	....	2	....	....	....	....	....	....	....	....	64
" 1880	....	3	9	46	....	42	....	12	....	....	....	3	8	2	....	....	125

By Water Board,	1881	4	26	41	6	2	2										81
"	1882	5	27	36	19		5										92
"	1883	4	50	91	67	5	10		3		4		1				235
"	1884	9	59	119	31	1	5										224
"	1885	6	38	85	23	6	6										164
"	1886	6	68	103	21	2	12										212
"	1887	42	94	201	97	8	27	6			5						480
"	1888	41	123	354	132	3	34	12			6						705
"	1889	26	103	195	58	4	31	33	2		15	2	2				471
"	1890	45	147	290	86	3	28	14			1		5		1		620
		437	1244	2290	856	52	234	74	39	4	64	8	23	2	1		5328

TABULAR STATEMENT—Concluded.

	1½ Inch.	2 Inch.	3 Inch.	4 Inch.	4½ Inch.	6 Inch.	8 Inch.	10 Inch.	12 Inch.	16 Inch.	18 Inch.	20 Inch.	30 Inch.	36 Inch.	40 Inch.	Branches.
By Water Board, 1858	....	3	78	98	...	33	2	.....	.....	1	.....	.....	.....	.....	.....	215
" 1859	.....	.....	53	134	....	75	....	32	2	.....	.....	.....	.....	.....	...	296
" 1860	.....	.....	68	108	...	149	....	29	.....	.....	.....	52	2	.....	.....	408
" 1861	.....	.....	26	50	....	33	....	19	.....	.....	.....	6	34	.....	.....	168
" 1862	....	5	25	30	....	4	....	1	.....	.....	.....	16	.....	.....	.....	81
" 1863	....	3	29	19	....	9	....	7	....	2	1	5	.....	.....	.....	75
" 1864	3	3	40	21	....	9	1	47	....	5	4	4	.....	.....	.....	137
" 1865	20	.....	47	20	....	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	102
" 1866	3	.....	30	24	....	16	.....	.....	.....	.....	.....	.....	.....	.....	...	73
" 1867	1	29	46	26	....	7	...	21	.....	.....	.....	.....	.....	.....	.....	130
" 1868	1	6	38	43	...	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	100
" 1869	....	5	54	32	....	6	...	2	.....	.....	.....	.....	.....	.....	.....	99
" 1870	....	9	27	39	...	1	....	..	..	.....	.....	.....	.....	.....	.....	76
January 1, to October 31, 1871	.....	6	22	29	....	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	89
October 31, 1871, to October 31, 1872	.....	3	35	39	....	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	87
October 31, 1872, to October 31, 1873	....	3	26	23	....	14	...	7	....	5	.....	.....	.....	.....	.....	78
October 31, 1873, to October 31, 1874	....	4	17	53	....	16	22	30	....	1	.....	.....	.....	.....	.....	143
October 31, 1874, to October 31, 1875	....	5	14	26	....	5	....	13	....	1	....	29	8	...	....	101
October 31, 1875, to October 31, 1876	....	4	21	90	...	12	....	14	....	21	.....	.....	9	....	...	171
October 31, 1876, to October 31, 1877	....	2	45	45	....	23	1	3	.....	.....	.....	.....	.....	.....	.....	119
By Water Board, 1878	....	4	20	36	....	8	.....	.....	.....	9	..	3	4	....	...	84
" 1879	....	2	14	41	....	6	....	5	.....	.....	.....	.....	.....	.....	.....	68
" 1880	.....	.....	9	35	....	17	....	11	.....	.....	.....	5	.....	.....	44	121
" 1881	....	3	20	54	....	11	5	7	.....	.....	.....	.....	.....	.....	.....	100
" 1882	....	1	24	74	....	45	....	21	.....	.....	.....	2	.....	.....	.....	167

By Water Board,	1883	....	3	30	104	....	86	13	15	....	2	....	54	10	.....	.....	317
"	1884	....	3	40	123	....	53	1	14	.....	.....	.....	.....	.....	.....	.....	234
"	1885	....	3	44	98	....	58	7	17	.....	.....	.....	....	1	.....	.....	228
"	1886	....	1	52	133	3	54	3	46	.....	.....	.....	.....	.....	.....	.....	292
"	1887	2	5	64	177	3	76	7	74	20	.....	.....	57	1	.....	.....	486
"	1888	2	3	124	253	4	167	14	73	58	....	...	75	2	.....	.....	775
"	1889	1	1	54	177	4	46	3	16	11	1	....	53	5	14	....	386
"	1890	2	2	75	156	8	76	6	74	31	.....	.....	1	2	2	2	437
		35	121	1311	2410	22	1184	85	598	122	48	5	362	78	16	46	6443

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1890, *to December* 31, 1890.

Streets in which Pipes are Laid.	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Rear N. S. Biddle	Ann and Wolfe	3	150	$ 62 53
" N. S. Federal	North and Calvert	3	90	33 20
" W. S. Broadway	Hoffman and Oliver	4	112½	58 38
Low	Forrest and Chestnut	4	312½	266 40
N. S. East	Gay and Low	3	187½	
Spring	Federal and Lanvale	4	137½	136 24
Federal	Spring and Caroline	4	100	
Winder	Light and Johnson	10	616⅔	823 36
Rear E. S. Bond	North avenue and Townsend	4	95	46 97
Comet	Aisquith and East	3	125	110 13
Comet alley	Fayette and Comet	3	75	
Lanvale	Bond and Broadway	4	90	42 34
East avenue	Elliott and O'Donnell	3	62½	27 36
Rear Collington avenue	Gay and Townsend	4	125	67 32
Goodman alley	Heath and Randall	3	130	52 36
Calhoun	Townsend and Harlem avenue	4	375	314 96
Rear N. S. Pratt	Payson and Pulaski	3	33	13 03
Sixth	St. Paul and Calvert	4	130	207 08
Rear E. S. St. Paul	Sixth and Seventh	4	210	

Falls alley	Federal and Oliver	4	325	182 51
Rear S. S. Fayette	Burke and Port alley	4	200	
Burke	Fayette and Fairmount avenue.	6	111	198 39
S. S. North avenue	Washington and Chester			
Chester	North avenue and Townsend	4	275	161 47
Gould's Lane	James alley and Elizabeth lane	3	112½	
Brown	and Light	4	2	63 38
Rear E. S. Smallwood	Mary Ann and Ramsay	4	100	53 25
" N. S. Ramsay	Pulaski and Smallwood	4	37½	
		3	37½	40 38
Howard	and Little Ross	6	112	
		4½	2	120 72
Holliday	Lombard and Second	10	183⅔	
		4	3	322 62
O'Donnell's Wharf	South of Pratt	10	579⅔	788 19
Rear E. S. Caroline	Hoffman and Oliver	3	200	
Hoffman	Caroline and Bond			92 25
Rear W. S. Bond	Hoffman and Oliver	3	60	44 42
Broadway	Hoffman and Oliver	6	505	382 83
Federal	Washington and Gay	6	74	56 77
Myrtle avenue, west	Ninth and Tenth	6	49⅓	37 71
O'Donnell	Potomac and Hare	3	180	
Potomac	Elliott and O'Donnell	3	90	
O'Donnell	Potomac and Curley	3	45	149 98
Rear S. E. corner Mosher	and Foster alley	1½	9	8 68
Concord	Essex and Cambridge	4	50	
Concord	and Cambridge	3	20	50 97

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1890, to December 31, 1890.

Streets in which Pipes are Laid.	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Rear N. S. Sargent	Wooster and Stockholm	3	237½	$ 91 92
" W. S. Penna. ave.	North of Boundary avenue	2	140	
		1½	21	69 57
Rear W. S. Francis	Clifton and Fulton avenue	3	62½	35 19
" N. E. S. Eutaw	Whitelock lane and North ave.	6	555	445 38
Lexington	Charles and Liberty	10	456⅓	705 94
Rear W. S. Hudson	Sixth and Seventh	3	162½	
" S. S. Seventh	Hudson alley and Oak	4	137½	
Seventh	Hudson alley and Oak	6	123⅓	278 89
Rear S. S. Fayette	Chester and Duncan alley	3	112½	51 65
" S. S. Heath	William and Byrd	3	100	54 17
Hooper's lane	Boundary ave. and Liberty road	4	25	
		6	283⅔	247 32
Proctor alley	Biddle and Chase	3	19	10 02
N. E. S. Morris alley	Robert and Laurens	6	135⅔	
		4	25	142 90
Rear N. S. Fourth	West of Hampden avenue	3	437½	
		4	5	200 89
Rear E. S. Charles	Wells and Barney	3	250	90 96

Rear S. S. Hudson	Patuxent and Harris	3	150	72 99
Mt. Royal avenue	North of King	3	25	12 95
Eutaw	Mulberry and Franklin	3	100	
Mulberry	State and Eutaw	4	8	98 29
W. S. Penna. avenue	North of Fulton avenue	6	222	210 13
High	Fawn and Trinity	2	125	38 15
Howard	Ostend and Stockholm	6	425	336 83
Wood	Dugan's and O'Donnell's wharf	3	125	
		4	3	68 95
Clement	Charles and Goodman alley	3	87½	
		4	2	57 02
Rear S. S. Orleans	Madeira al. and Patterson Pk. av.	3	112½	51 21
North	Federal and Oliver	3	150	70 87
Rear N. S. Federal	Ann and Regester	4	80	45 81
Monument	West of Chester	6	132	118 91
Druid Hill avenue	Mosher and McMechen	3	276	102 64
Payson	North of North avenue	10	209⅔	274 54
Wolfe	South of Oliver	6	117	111 40
McCulloh	Wilson and Laurens	6	387½	
		4	12½	322 29
N. S. Boundary avenue	East of Chester	6	37½	69 88
Druid Hill avenue	Biddle and Preston	6	498	
		1½	97	391 68
Hargrove alley	Fifth and Sixth	4	337½	171 94
Marriott	West of Haubert	6	450	292 98

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1890, to December 31, 1890.

Streets in which Pipes are Laid.	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Druid Hill avenue	Orchard and Biddle	4	352	
		8	312	
		1½	21	$566 97
Oak	Fifth and Sixth	4	200	113 77
Rear N. S. Baltimore	East of Paca	2	37	16 19
Hope	Townsend and North avenue	4	62½	41 21
Rear E. S. Fulton avenue	Tennant and Patterson avenue	2	4	
		3	175	86 29
Rear W. S. Newington Pl.	Baker and the Old Liberty road	3	325	
Liberty road	Stricker and Gilmor	3	175	214 38
Rear N. S. North avenue	Payson and Pulaski	6	375	256 91
Paca	Mulberry and Druid Hill ave	6	24	
		4	408	
		1½	180	505 52
Rear N. S. Biddle	Cannon and Burke	4	419⅓	
Cannon	Preston and Biddle	4	111	
Biddle	Cannon and Burke	6	24⅔	289 64
Paca	Franklin and Fayette	1½	7	
		4	448	293 16

Wolfe	Lanvale and Oliver	6	851		
Oliver	Wolfe and Durham	6	209⅔		
Durham	Oliver and Federal	4	111		
Rear N. S. Oliver	Durham and Ann	4	135⅔	901	20
Rear W. S. Hudson alley	Third and Fourth	3	172⅔		
Hudson alley	Third and Fourth	3	125⅓	123	74
E. & W. S. Paca	Franklin and Druid Hill ave	3	372		
		4	168		
		2	3		
		1½	25		
E. S. Druid Hill avenue	Baker and Bloom	4	504		
		1½	36	475	33
Boundary avenue	Linden avenue and Bolton	6	172⅔		
Linden avenue	Boundary ave. and Presstman	4	152	217	91
Townsend	Morris alley and Madison ave	4	24⅔	48	63
Rear E. S. Eutaw Place	Boundary av. and Whitelock lane	6	65	44	88
" S. S. Townsend	Bouldin alley and Division	3	98⅔	56	57
Dock	West of Caroline	4	148	110	42
O'Donnell	Fourth and Fifth	4	271⅓	133	02
Rear S. S. Lanvale	Florence and Bloomingdale road	4	505⅔	239	70
W. S. Druid Hill avenue	Orchard and St. Mary	4	120		
E. S. Druid Hill avenue	Orchard and Paca	4	132		
E. S. Paca	Mulberry and Saratoga	4	330		
		1½	69	322	65
Rear W. S. Fulton avenue	Baltimore and Fayette	3	148	68	31

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1890, to December 31, 1890.

Streets in which Pipes are Laid.	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Howard	Lombard and Baltimore	3	254	
Fayette	Eutaw and Howard	6	3	
		1½	16	$152 55
E. S. Paca	Mulberry and Arcade alley	3	4	
		4	340	192 35
Rear W. S. Penna. avenue	Gold and Baker	3	135⅔	59 64
Stricker	Hollins and Booth	4	185	
		3	20	126 91
Little Walsh	Sewell and the railroad bridge	2	90	32 43
Federal	Regester and Broadway	4	148	85 47
Boundary avenue	Bolton and Linden avenue	6	24⅔	
Rear S. S. Boundary ave.	Bolton and Linden avenue	4	49⅓	60 30
" " " "	Regester and Wolfe	4	430	
Ann	South of Boundary	6	90	321 66
Stiles	Little Gough and Central ave	3	222	99 12
Rear S. S. Clement	East of Covington	3	135⅔	58 68
Grindall	William and Johnson	3	86⅓	36 62
Rear N. S. Oliver	Bond and Bethel	4	135⅔	73 57
Madeira alley	Blood alley and Orleans	3	24¾	18 04

Fayette	Howard and Eutaw	3	75		
"	and Paca	1½	4		
Lexington	and Paca	10	3		
		4	96		
W. S. Paca	North of Lexington	4	104		
" "	North of Fayette	4	72		
		1½	3		
N. W. corner Paca	and Lexington	4	10		
		1½	15		
Paca	Mulberry and Fayette	10	4½		
		4	12		
		2	1½	876	56
Rear S. S. O'Donnell	Potomac and Hare	3	200		
Hare	Elliott and O'Donnell	3	120	114	80
Rear N. S. O'Donnell	Patuxent and Harrison	3	135⅔	65	43
" E. S. Stricker	Mulberry and Saratoga	3	234⅓	99	01
" S. S. Lancaster	Harrison and Chesapeake	3	185	68	76
S. S. Lombard	Liberty and Sharp	4	207	153	06
Howard	and Saratoga	8	118⅓	74	11
Rear N. S. O'Donnell	Hare and Canton	4	197⅓	87	92
" S. S. Fayette	West of Schroeder	3	172⅔	72	81
Lombard	Sharp and Hanover				
Box alley	German and Lombard	10	239	410	58
Belair road	Boundary ave. and Brehm's lane	10	4,387½		
		6	258		
		4	86⅓	4,962	80
Chesapeake	and Lancaster	3	12½	14	63

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1890, *to December* 31, 1890.

Streets in which Pipes are Laid.	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Rear S. S. Eastern avenue.	Patapsco and Luzerne	4	209⅔	
Luzerne	Eastern and Canton avenues	4	123⅓	$170 42
Rear W. S. Burke	Hampstead and Baltimore	4	86⅓	49 39
N. & S. S. Fayette	Charles and Liberty	4	214	
		6	246	
		1½	63	384 89
Monument	Plover alley and Park avenue	3	111	74 04
E. S. Charles	North of Fayette	4	108	
	Calvert and Charles	1½	4	
Fayette		6	385	
		2	7	
		1½	22	338 87
Rear N. S. Federal	Ann and Regester	4	148	69 52
Gold	Woodyear and Pennsylvania av.	4	209⅔	115 63
Rear N. S. O'Donnell	Canton and Robinson	3	74	41 13
Myrtle avenue	Tenth and Eleventh	6	407	
Eleventh	Myrtle avenue	6	320	473 17
York	Hanover and H alley	3	74	
		1½	7	43 03

McElderry	Washington and Chester	6	332	
		3	28	$290 88
William	Hughes and York	3	61⅔	
		4	160⅓	115 98
Johnson	Hughes and York	6	345⅔	
York	Johnson and William	6	123	
		3	6	406 54
Rear S. S. Fayette	Schroeder and Hollins alley	3	160⅓	
		1½	3	69 11
Rear W. S. Woodyear	Gold and Baker	3	172⅔	
		4	12⅓	80 79
N. S. Baltimore	West of North street	10	47	
		6	17	123 21
Castle	North of Jefferson	4	123⅓	
		3	12⅓	101 10
Rear E. S. Carey	Baker and Gold	3	283⅔	107 92
Holliday	Lombard and Second	10	99	133 19
East avenue	Hudson and O'Donnell	4	2,220	
		3	2½	1,123 10
Mary Ann	Payson and Pulaski	4	160⅓	134 53
E. & W. S. North & South.	Fayette and German	10	625	
		6	28	
		3	2	960 86
North & South	Fayette and Lombard	12	150	
		10	468	
		8	12	
		4	24	
		1½	4	953 80

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1890, to December 31, 1890.

Streets in which Pipes are Laid.	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
N. S. Lombard	Sharp and Liberty	4	135	$ 91 06
South	Baltimore and Lombard	1½	15	
		2	3	
		3	8	
		4	36	
		6	15	
		8	6	
		10	299	
		12	32	806 45
South	Lombard and German	12	48	
		10	195	
		8	3	
		6	6	
		4	5	475 67
Lombard	Sharp and Liberty	4	48	
		1½	6	52 90
Saratoga	Schroeder and Carrollton ave.	6	5	28 25
Schroeder	Fayette and Raborg	3	12⅓	27 49

Spring	Lanvale and Federal	4	259		
Lanvale	Spring and Caroline	4	111	234	84
White alley	and Poppleton	4	42		
		3	6	56	31
Rear N. S. Dillon	Patuxent and Streeper	3	172 2/3	84	55
Carey	and Hollins	6	124 1/4		
		4	24 2/3	42	50
Rear W. S. Paca	Cross and West	4	283 2/3	148	21
Stockton alley	Hollins and Baltimore	3	86 1/3	30	76
Rear E. S. Collins	South of Winder	6	160		
Winder	East of Johnson	6	344 3/4	388	87
Federal	Spring and Eden	4	98 2/3		
Rear W. S. Spring	Federal and Oliver	3	74	129	38
" W. S. St. Paul	Lanvale and Townsend	3	152	75	04
East	Douglas and Low	4	135 2/3	65	35
St. Paul	First and Second	3	98 2/3	45	36
Rear S. S. Dillon	Patuxent and Curley	3	111	54	42
Dock	West of Caroline	3	66 1/2	39	18
Rear N. S. Federal	Ann and Regester	4	86 1/3	48	67
Hoffman	Spring and Caroline				
Spring	Hoffman and John	4	197 1/3	136	70
Exeter	Pratt and Lombard	4	948		
		1 1/2	47	555	89
Lombard	Charles and South	10	470		
		6	29		
		4	5		
		3	4		
		1 1/2	5	973	74

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1890, to December 31, 1890.

Streets in which Pipes are Laid.	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Ramsey	Poppleton and Parkin	6	246¼	
Poppleton	Ramsey and McHenry	6	295½	
		3	12⅓	
		2	10	$484 23
E. S. Forrest	Low and Orleans	3	123⅓	69 95
Lombard	Box alley and Sharp	10	75	105 88
Rear S. S. Federal	Ann and Regester	4	370	187 01
Huntingdon avenue	Barclay and York road	4	74	44 27
Rear S. S. Harlem avenue	Vincent alley and Mount	3	185	
		1½	7	109 58
Rear E. S. Carey	Baker and Cumberland	3	24⅔	21 45
Union ave. (Woodberry)	N. C. road and Gambrill mill	10	1,056¼	
		6	22	
		4	6	
		3	7	1,413 25
Welch alley	Paca and Eutaw	2	45	37 29
Rear W. S. Fulton avenue	Tennant and Patterson avenue	4	419⅓	229 20
" W. S. Light	Welcome alley and Lee	3	172⅔	
Welcome alley	Charles and Light	3	172⅔	191 79

W. S. Railroad avenue...	Woodberry and Union ave.....	2	133	50 05
Lombard.....	Light and South.....	10	108	
		8	21	
		6	12	
		4	12	
		3	16	
		1½	9	617 00
Ann.....	Pratt and Baltimore.....	6	36	
		3	8	
		4	4	
		1½	86	217 15
Baltimore.....	Ann and Chester.....	4	186	
		3	5	
		6	36	
		1½	33	
		2	3	315 89
Lanvale.....	Eutaw place and Dryden alley.	4	518	315 99
Pratt.....	Bethel and Broadway.....	4	61⅔	
		1½	7	38 05
Abbott.....	Bond and Broadway.....	4	407	
Bond.....	Barnes and Abbott.....	4	160⅓	
Barnes.....	Bond and Broadway.....	4	518	565 27
Fayette.....	Central avenue and Eden.....	4	160⅓	
		6	5	96 85
Rear W. S. Fulton avenue	Montrose and Fayette.....	4	74	49 12
" N. S. Boundary ave.	Bolton and Linden avenue.....	4	493⅓	
Bolton.....	North of Boundary.....	6	235	417 11

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1890, to December 31, 1890.

Streets in which Pipes are Laid.	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Rear S. S. Lanvale	Eden and Spring	4	321	$175 14
" S. S. Dillon	Curley and Patuxent	4	123	72 60
Clay	Kimmel alley and Eutaw	6	113	105 50
Rear S. S. Lancaster	Cannon and Rose	4	135	87 16
" N. S. O'Donnell	Robinson and East avenue	4	172	101 49
Hudson	Canton and Robinson	4	74	41 21
Eutaw	above York	4	61	
York	Eutaw and Howard	3	3	
		4	61	101 24
Rear S. S. Fifth	Hudson alley and Oak	4	172	
		2	4	
		1½	7	130 50
Hudson	Canton and Robinson	4	24	17 74
Rear W. S. First	Second and Third avenues	4	283	146 34
" E. S. Carey	Baker and Cumberland	3	3	
		4	209	105 13
Rear W. S. Bond	Federal and Lanvale	4	209	118 64
" N. S. Mary Anna	Pulaski and Smallwood	4	98	
" W. S. Pulaski	Mary Anna and Wilhelm	4	160	128 29

Pratt	Patterson Park avenue and Ann	6	164		
Patterson Park avenue	Baltimore and Pratt	4	151		
		3	12		
		1½	180	714	10
Rear E. S. Bond	Lanvale and Townsend	4	172⅔	101	26
Fremont avenue	Saratoga and Vine	4	928	577	18
Rear W. S. Linden ave.	Robert and Presstman	4	197⅓	128	17
Sycamore	Union avenue and Third avenue	6	1,317 5/12		
Third avenue	Sycamore and Falls road	4	1,307⅓		
Falls road	Union avenue and Third avenue			1,769	80
Stinson lane	McHenry and Frederick avenue	4	320⅔	182	24
Rear E. S. Calhoun	Baker and Gold	4	74	38	67
Druid Hill avenue	Retreat and Boundary avenue	4	974⅓	499	09
Rear E. S. Collington ave.	Orleans and Fayette	4	234⅓	125	99
Hanover	South of Jephson	4	86⅓	53	58
Rear S. S. O'Donnell	East avenue and Robinson	4	86⅓	60	36
" E. S. East avenue	Dillon and O'Donnell	4	123⅓	68	28
" S. S. O'Donnell	Hare and Canton	4	172⅔	81	36
Broadway	and Pratt	1½	3		
		10	5		
		4	5	109	93
Chester	Pratt and Gough	1½	18		
		4	36	77	33
Lombard	Exeter and Front	3	206		
		1½	12		
		6	6	127	77
E. S. Lombard	and Market Space	4	66		
		1½	3	113	16

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1890, to December 31, 1890.

Streets in which Pipes are Laid.	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Chester	Pratt and Gough	4	28	51 78
Oak	Fifth and Seventh	4	752 1/3	419 05
Rear N. S. Second	Barclay and York road			
" W. S. York road	Second and Third	4	234 1/3	129 34
" W. S. Broadway	Preston and Gay	4	37	23 41
Washington	Monumental and McElderry	4	148	86 71
East avenue	Dillon and Hudson	4	345 1/3	179 46
East avenue	Dillon and O'Donnell	4	98 2/3	55 79
Washington	and Monument	2	48	
		4	121/3	
		3	3	46 54
Cross	East of Belt	4	394 2/3	347 10
Rear E. S. Canton	Hudson and Lancaster	4	234 1/3	121 64
" S. S. Boundary ave	Bond and Broadway	4	111	75 30
" W. S. Bond	Federal and Lanvale	4	86 1/3	38 96
" W. S. Hull	Beason and Clement	4	49 1/3	29 39
" N. S. Lancaster	Clinton and Bouldin	4	157 1/3	117 61
" S. S. Randall	Byrd and Johnson	4	25	21 08
Pennsylvania avenue	Fulton and Elgin avenue	6	172 2/3	120 94

Rear E. S. Brown's lane..	Frederick avenue and Hollins..	4	222	149	47
" N. S. Jefferson	Madeira al. and Collington ave.	4	61⅔	47	35
Fifth.....	Bank and Eastern avenue.....	4	357⅔	198	93
Alice Anna	Clinton and Bouldin	4	135⅔	81	35
Rear W. S. Bond	Lanvale and Federal	4	111	58	44
" S. S. Mt. Royal ave .	Maryland av. and Morton alley.	4	160⅓	99	88
Lombard	South street and the bridge....	10	255		
		6	9		
		4	18		
		1½	18	671	38
Rear S. S. Oliver	Washington and Wolfe	4	172⅔	102	31
Along 25th street.....	and Guilford avenue	36	1,623		
		12	4		
		30	66	14,981	77
Rear E. S. Charles.....	Fifth and Sixth.....	4	259	160	90
Calvert and Franklin....	Along Franklin to North, to	12	6,305		
	Bath, to Holliday, to Sara-	6	13		
	toga, to Gay, to Frederick, to	4	238		
	Second, to South, to German,	2	3		
	to Light, to Baltimore, to St.	1½	3		
	Paul, to Saratoga street.			14,546	22
Eastern pumping station.	Along Wolfe to North avenue,	40	2,474		
	to Washington street.	30	15		
		12	72⅙		
		10	12½		
		4	22	29,028	19
			76,688¾	$108,483	26

Engineer and Superintendent's Report,

COUNTY DIVISION.

REPORT.

OFFICE OF THE

ENGINEER AND SUPERINTENDENT COUNTY DIVISION,

LAKE MONTEBELLO, January 2d, 1891.

R. K. MARTIN, ESQ.,

Chief Engineer Water Department:

SIR—I herewith respectfully submit my report for the year ending December 31st, 1890.

JONES' FALLS SUPPLY.

The water from the streams forming this supply gave less than one-half the quantity for the past year than for the previous, owing to the decrease in the rain-fall.

Lake Roland water was muddy forty days during the year; the greatest flow of water over the dam was in August, when it reached a depth of two feet.

For six days in July, eleven days in August and seventeen days in September, the stream did not flow sufficient to meet the demand, and the water in the lake lowered ten and one-quarter inches; the balance of the year this lake was full, with water passing over the crest of the dam.

A sufficient quantity of corn was raised on the land adjacent to Lake Roland, owned by this department, to feed the stock kept there, and 35 barrels additional were distributed to other stables on the line of the works.

The amount received for the hay made and sold from here will be found in the Water Registrar's report.

Harper's waste weir and the five-mile brick conduit, connecting Lake Roland with Hampden Reservoir, continue in the same good condition, and there has been no expenditure upon them.

HAMPDEN RESERVOIR.

This reservoir has a water area of about eight acres. An osage orange hedge surrounds the whole property and is growing finely, and in a short time the old wooden fence can be removed.

The evergreens are also growing; they will soon add very much to the beauty of the place, and there has been no expense incurred during the year except in keeping the grounds in order.

The 30-inch pipe mains connecting this reservoir with Druid Lake are in thorough order, and have been no expense to the Department during the year.

DRUID LAKE

Has a water area of about 53 acres; it has done good service during the year and the water has been pure and good.

The main expense here is the keeping of the one mile and-a-half drive around the lake in order.

I would respectfully suggest that an effort be made to transfer the care of this drive to the Park Commissioners.

I can see no reason why this Department should keep up at its expense the most used and one of the most beautiful roads in Druid Hill Park.

The average daily consumption of water by the city from this lake was 17,253,000 gallons, being an increase over last year of 2,253,000 gallons per day.

HIGH SERVICE RESERVOIR.

There were 1,465,945,441 gallons of water pumped into this reservoir during the year by the pumping engines at Druid Lake; this is 260,901,623 gallons in excess of what was pumped during the previous year.

During the past summer these pumps were worked up to very nearly their full capacity to meet the increased demand.

GUNPOWDER SUPPLY.

The flow of water from this supply was also much less than in 1889.

Loch Raven water was muddy for ninety-eight days during the year, eleven days less than the year previous.

The heaviest flow of water was on the 12th September, when it was three feet in height, passing over the crest of the dam.

A heavy flow of water has been constantly drawn from the bottom of this Loch to carry off any deposit there may be near the entrance of the water supplied to the city.

The number of gallons thus wasted and emptied into the stream below the foot of the dam has amounted to 56,000,000 gallons per day for the year, and there has also been an average wastage of 147,000,000 gallons of clear water per day during the year passing over the dam in excess of what was sent to the storage lakes below for city use.

The gate-house keeper's house and all the buildings here are in good repair, and the osage orange hedge, over five miles in length, is already a great protection between the drive and the waters of the Loch.

The large number of evergreens planted here from the nursery are doing well and will soon be large trees.

There were 250 barrels of corn and 404 bushels of oats raised here, received for rent and distributed to the different stations of the Department.

The seven mile tunnel connecting Loch Raven with Lake Montebello is in thorough order and has been no expense to the Department during the year.

LAKE MONTEBELLO

Has been kept full of good clear water during the year, and a heavy and continuous waste is kept up from the bottom of this lake whenever the water is clear in Loch Raven.

There was 23,725,000 gallons of water, on an average, each day of the year passing through this lake for city use, 1,954,000 gallons more than last year.

The one mile tunnel connecting Lake Montebello with Lake Clifton is in first-class working order, and it also has been attended with no expense during the year.

LAKE CLIFTON

Is completed, and the broad drive around it overlooking the eastern section of the city is in fine condition, as is also the avenue over the conduit from Harford avenue to the new gate-house, and also Washington street extended, over the 40-inch mains from the gate-house to Boundary avenue.

The capacity of this lake is 265,000,000 gallons, and it is now full of good clear water, from which the city is drawing its daily Gunpowder supply.

MT. ROYAL RESERVOIR,

Originally built to get its supply from Jones' Falls, is now serving the city from the Gunpowder.

Its elevation is 150 feet above tide, and it is in thorough working order, and has been but little expense during the year.

It again gives me pleasure to state that the officers and men of this division have performed their various duties during the year in the most reliable and trustworthy manner.

Respectfully submitted,

WM. L. KENLY,
Engineer and Superintendent County Division.

STATEMENTS,

Engineer and Superintendent's Report,

COUNTY DIVISION.

BALTIMORE CITY WATER WORKS.

TABLE OF RAINFALL IN INCHES.

1890.	*Jones' Falls Supply*			*Gunpowder Supply*		
	Lake Roland.	Hampden Reservoir.	Druid Lake.	Mt. Royal Reservoir.	Loch Raven.	Lake Montebello.
January	1.90	1.95	1.73	1.80	1.49	1.79
February	5.75	5.39	5.13	5.30	5.89	5.13
March	3.95	4.17	4.00	3.85	4.00	3.97
April	3.70	4.23	3.47	4.17	4.63	3.73
May	5.95	6.17	6.17	5.57	6.36	6.47
June	1.95	2.17	2.91	2.48	1.52	2.00
July	4.38	5.57	4.93	3.80	6.55	3.67
August	4.87	6.73	6.25	6.00	8.54	6.59
September	5.11	4.42	4.23	4.76	6.46	5.39
October	4.90	5.40	5.76	5.60	5.66	5.59
November	.75	.83	.77	.80	1.02	.67
December	2.96	2.67	2.71	2.65	2.82	2.55
Total	46.17	49.70	48.06	46.78	54.94	47.55

Respectfully submitted,

WM. L. KENLY,

Engineer and Superintendent County Division.

ANNUAL REPORT

— OF THE —

Inspector of Gas & Illuminating Oils

— OF THE —

CITY OF BALTIMORE,

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31, 1890.

REPORT.

OFFICE OF INSPECTOR OF GAS AND ILLUMINATING OILS,
CITY HALL.

BALTIMORE, December 1st, 1890.

To the Honorable Robert C. Davidson, Mayor,
and Honorable Members of the
City Council of Baltimore.

GENTLEMEN :

There has been a continual improvement in the quality of the refined petroleum vended to the citizens of Baltimore since my last Annual Report. Only five per cent. has remained at the legal standard of a flashing point of 120° Fahrenheit ; the range has been from 121° to 140°. In consequence of this I have been called upon to investigate only nine accidents, against twenty-eight of the previous year. The accidents that have occurred were from gross carelessness, either from hanging lamps insecurely fastened, or defective burners. There was no injury to person, and trifling to property. One hundred dollars would have covered all insurance.

For a number of years the Grocers' Association was a formidable opponent to the inspection of the illuminating oils, both in refusing license and giving proper samples. The Inspector was obliged to prosecute several cases in the City Criminal Court, which were decided in favor of the City, but appealed by the Association, and eventually decided for the City.

As there was some confusion in interpreting the quantity of oil that should be taken as a sample, the City Council changed the wording of the ordinance to make the quantity definite.

The number of Coal oil licenses taken out this year will show a slight falling off, from the fact that many small groggeries sold illuminating oils, but since the introduction of high license these have been closed.

I am pleased to state that the quality of the illuminating gas furnished the citizens of Baltimore has been fully maintained, as you will observe in the tabulated statement for each month, giving the highest and lowest candle power, and also the general average. From a knowledge derived from correspondence with other cities I am convinced that none get gas of as good a quality as that manufactured by the Consolidated Gas Company.

This office is without any appropriation to meet current expenses for stationery, for the purchase of standard candles, or to replace instruments which are liable to be broken. I refer to thermometers, hydrometers,

etc. I would ask that you suggest in your message to the Council a small appropriation, say twenty-five dollars, for that purpose.

I have made chemical examination of waters and other substances that have been presented to me by the Health Department, that Department paying for the chemicals and apparatus needed for such investigations.

Respectfully submitted,

P. B. WILSON,
Inspector of Gas and Illuminating Oils.

TABLE

Showing the Highest and Lowest Candle Power of Gas, and General Average from December, 1889, to November 31st, 1890, Legal Standard 20 Candles.

Months.	Highest Candle Power.	Lowest Candle Power.	General Average.
December	28.66	25.54	26.85
January	32.36	25.15	28.50
February	28.18	23.23	26.32
March	29.00	23.54	27.01
April	31.30	22.76	28.07
May	31.60	26.73	29.19
June	31.69	27.15	30.10
July	29.87	27.51	29.36
August	31.25	26.20	28.79
September	35.36	24.63	28.99
October	28.95	25.71	27.87
November	28.33	25.94	26.92

ANNUAL REPORT

— OF THE —

TRUSTEES OF THE POOR

— OF THE —

CITY OF BALTIMORE,

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31, 1890.

OFFICERS OF THE INSTITUTION.

BOARD OF TRUSTEES:

JOSEPH FRIEDENWALD, *President.*

JOHN BLACK, *Secretary.* JOHN J. PENTZ,
SIMON I. KEMP, JOHN J. HOFFMAN,
IRA REMSEN, JACOB PAPPLER.

ADOLPH MARTINI.....Superintendent.
JOHN M. McELROY.....Purveyor.
JOHN R. HAMMETT.....Clerk and Storekeeper.
SUSANNA McCAHAN.....Matron.
WILLIAM KAISER.....Engineer.
JAMES J. FARRALL.....Assistant Engineer.
JOHN F. BARRENGER.....Gardener.
THOMAS CONNOR.....Messenger.
CHARLES JONES.....Baker.
THOMAS McKINLEY.....Carriage Driver.

Medical Department:

DR. FRANKLIN W. HAINS.....Resident Physician.
DR. FRANK DYER SANGER..... " "
DR. W. E. WRIGHT..... } Resident Physician for Insane Department.
DR. FRANKLIN I. MOUTON.....Assistant.
JAMES A. TIERNEY.....Apothecary.

REPORT.

BAY VIEW ASYLUM, December 31, 1890.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

We have the honor to submit, in compliance with an ordinance of the Mayor and City Council of Baltimore, the within report of the operations and general condition of Bay View Asylum, during the year ending December 31st, 1890, and to accompany it with such remarks as may be pertinent for its continued good government.

As Trustees, permit us first of all to acknowledge that we fully appreciate the honor conferred on us, and that we have been mindful of the City's interest without neglecting the wants and comforts of the inmates of Bay View Asylum. Living in an age of progress and general improvement, it has been our aim to keep pace with the environment in which we are surrounded, and to change and alter such rules, regulations and conditions as presented themselves during the year, the result of which has been entirely satisfactory to the Board of Trustees.

Our calling, "Trustees of the Poor," has its special significance; we are to take charge, care for, look to, and provide for those who are not able by being incapacitated, both mentally and physically, to take care of themselves; in the exercise of this duty, the tender cords of sympathy are constantly touched, and a humane treatment the result; recognizing that poverty is no crime, your Trustees have constantly guarded the inmates of Bay View Asylum with care, kindness and benevolence, and the result of our work is apparent to any one who visits this institution; it has the home-like appearance, its inmates are contented, and from hundreds of lips daily prayers of thanks are offered in recognition of the good received, and it gives us pleasure to testify to their general and constant good behavior.

The Trustees have recognized that the administration of a great public charity is necessarily accompanied with the responsibilities of guardianship, and by their example have established uniform kind treatment from the officers to every individual inmate, and whenever and whatever work is needed to be done, the Superintendent has no difficulty in obtaining the willing hands of those who are able to lend assistance, and as a matter of fact, we will state that the entire labor is done by the inmates.

As Trustees, we would hardly have done our duty if we neglected to say a few words as to the character of the inmates of Bay View. "It is a world of its

own." We have men of letters, lawyers, mechanics, laborers, &c., all of whom have gravitated to the sheltering portals of this home. It would be as difficult to ascertain the cause of their misfortune as it would be useless to have ascertained it.

There seems to be a ruling destiny which elevates the one and sinks the other; the race is not always to the swift, nor is success or independence always of our own choosing.

Mental and physical strength become great factors in the development of the successful, and as these attributes vary so very much, it is plain that the survivors of the fittest are always in front in the race of life, but we can truly say that the general character of the Bay View inmate is good, (and without claiming too much), is on a par with general mankind, and is often more sinned against than sinning.

We append for your special information the nature and ailments of the greatest number of the inmates who continuously remain, with but trifling difference in numbers, except that they grow greater by natural accretion.

Number of Chronics and Moderately Insane in Main Building.

CHRONICS, OR OLD AND INFIRM.

Men—White	101	
" —Colored	34	
Women—White	62	
" —Colored	17	
	—	214

INSANE.

Men—White	39	
Women—White	15	
" —Colored	13	
Insane Children	5	
	—	72
Total		286

Number treated in hospital ward, both male and female	140
Number in detached hospital	23
In insane hospital, male and female, under treatment	338
	501
Add chronics and insane in main building	286
Making grand total of	787

You will observe that there is a total of 787 inmates who are as fixtures to the institution, and when we consider that the average number of inmates during the year is $1068\frac{6}{12}$, we have but little cause to complain

of being crowded with the undeserving, the number in excess of the 787 being for the most part individuals worn out and chronically affected, and unable to provide for themselves.

OLD AND CHRONIC DEPARTMENT.

In the distribution of charity, none is better applied or more greatfully appreciated than that which is extended to the old and infirm; they comprise that class of people (both male and female) who, in the course of time, become entirely helpless, without home or friends; among these are many who for a long period enjoyed their own homes, and were respected by their neighbors. They might have avoided a few years of destitution and privation by making an earlier demand for admission to Bay View Asylum, but the love of home, the sentiment of independence, and the attachment to trifling objects of a few household articles, delayed their application until the last extremity. We consider this class of inmates as worthy of especial care and consideration. Every attention which conduces to their comfort is freely extended.

MEDICAL DEPARTMENT.

It affords the Trustees great pleasure to state that the Medical Department has given entire satisfaction. Many important surgical operations were made during the year, and various diseases treated with skill and success.

The staff of Resident Physicians and Visiting Professor, including the Professors of the Maryland University, the College of Physicians and Surgeons and of the Johns Hopkins Hospital, have been assiduous in their professional work with great beneficial results, as will be seen in the death rate herein enumerated.

	Average Number of Inmates.	Deaths.
1883....	797	244
1884....	$720\frac{2}{12}$	266
1885....	$873\frac{11}{12}$	243
1889....	$1,068\frac{4}{12}$	218
1890....	$1,068\frac{6}{12}$	169

The above figures, more than words, explain the good work done by the medical staff connected with Bay View Asylum, and in acknowledgment for their eminent services we extend to them our warmest acknowledgments and thanks.

INSANE DEPARTMENT.

The Trustees knowing the importance of this department, have been diligent and painstaking to bring about the best results for the care and treatment of this most unfortunate class. The State Lunacy Commission has fully appreciated the work done, and the improvement in the treatment of the insane has had their approval. Scarcely any restraint is used upon the patients, and all the newer methods are applied which skill and

science have developed. We say in this connection that we shall not rest satisfied until this department will be equal in all respects to the best.

We have the advice of Dr. Hurd as Visiting Professor (of Johns Hopkins Hospital), who is eminently known as an expert in nervous diseases. Dr. Wm. E. Wright and Dr. Franklin J. Mouton are the Resident Physicians, who have filled the position with credit to themselves and benefit to the department. We refer you to their report, which is full and interesting.

NEW INSANE BUILDING.

We are gratified to state that the new Insane Building has reached a state of completion with the exception of the heating, which, in all probability, will be completed by the middle of March, at which time it will be ready for occupancy. In its erection we were ably assisted by Prof. Hurd, whose large experience in insane asylums afforded us the best results, in fact his plans and suggestions were practically all adopted. We extend to him our best thanks for the valuable services rendered.

The new insane structure is a model of neatness, and especially adapted for the classification of the various forms of insanity.

The Board of Trustees selected Mr. Frank E. Davis, Architect, to draw the plans and specifications, all of which was done to the entire satisfaction of the Board.

The award for the building was given to Messrs. Geo. Bunnecke & Son, and Mr. Joseph Thuman was selected as Superintendent for its construction.

We are pleased to state that the entire work has met the approval of the Board so as to deserve the thanks of the Trustees, which we hereby extend to them.

FARMING OPERATIONS.

The results of the farm have been fairly satisfactory. We have been enabled to furnish the inmates during a great portion of the year with fresh and wholesome vegetables, and have reserved for late winter use a large quantity of carrots, turnips and parsnips, which will last until early spring. We have also on hand five thousand (5,000) cans of tomatoes, all of which were canned at the institution.

We shall continue to encourage the farm operations, as we find that it conduces to the health of the inmates, and goes far as an economic measure in the maintenance of the Asylum. We are hopeful that the future will bring even larger results.

INMATES.

There were remaining in the institution, December 31st, 1890, 1,221 inmates. There were admitted during the year 2,059. There were born in the institution during the same period 12 children, making a total of

2,059, who received the benefit of this institution during the year. The average number of inmates during the year, $1,068\frac{6}{12}$.

The amount drawn as per warrants upon the City Comptroller during the year was $84,694.63, less $4,057.80 received from sundry sources, as per exhibit, and paid into the City Treasury under existing City ordinance, reducing the net amount expended by the Trustees for the year ending December 31st, 1890, to $80,636.83, the cost per capita being $\$75.86\frac{1}{20}$.

The number in the Asylum at this time is 1,221, of which number 1,052 are white and 169 are colored. Of the 2,059 admitted during the year, 1,135 were born in the United States, 924 were of foreign born, and 20 unknown. Of the number born in the United States, 491 claim their nativity in the City of Baltimore, 188 were born in the State of Maryland, and 679 claim their nativity in the States of the Union. Of the 12 infants born in the institution, 6 were white and 6 were colored.

FINANCIAL.

Exhibit No. 1 of this report will show the amount received and the source from whence it was derived during the year, as also the purpose for which it was expended.

The amount of the appropriation made by the City for the support of the institution for the year ending December 31st, 1890, was $85,000.00. By reference to

the aforesaid exhibit, it will be observed that of the amount appropriated, $84,694.63 was drawn from the City Treasury, and $4,057.80 was paid to the City Register from Board of Inmates, resident students and sales of old material, such as rags, bones, barrels, &c., received; also returned to the City Treasury $305.37, amount of appropriation unexpended.

The amount drawn from the City Treasury has enabled the Trustees to meet and discharge all liabilities incurred by them in the management of the trust confided to them. The Trustees, owing to the number of inmates, find it necessary to ask for an appropriation of $95,000.00 for the year 1891.

Captain Constantine, who served with great efficiency and acceptance to the Board of Trustees, having resigned in November, to accept the Wardenship of the Baltimore City Jail, the Board elected Mr. Adolph Martini as Superintendent in his place.

The Board tender to all the officers their warmest thanks for their faithful and efficient services during year.

JOSEPH FRIEDENWALD,
JOHN BLACK,
SIMON I. KEMP,
JOHN J. PENTZ,
JACOB PAPPLER,
IRA REMSEN,
JOHN J. HOFFMAN,
Trustees.

TABLES.

FINANCIAL EXHIBIT FOR 1890.

Showing the amount received by the Trustees during the year terminating December 31st, 1890, the source from whence derived and the purposes for which disbursements were made, and the amount expended.

Dr.			Cr.		
1890.			1890.		
Dec. 31—To amount received from City Comptroller on account of annual appropriation.....	$84,694	63	Dec. 31—By balance for supplies, embracing food, fuel, clothing, bedding and other necessaries	$51,345	88
To amount for sale of bones, grease, barrels, old iron, offals, &c...	96	48	By amount expended on farm account, embracing provender for the horses and cows, repair of carriages and wagons and harness, purchases and repairs of farm implements, shoeing animals, and such other expenditures as are properly chargeable to farm account.....	5,904	76
To amount received from inmate boarders.	1,812	00			
To amount received from board of resident students	1,825	67			
To amount received from sale of medicine.	2	00			
To amount received from sale of live stock.....	321	65			

		By amount paid hospital stores.....	4,494 07
		By amount for expenses incurred in repairs about the buildings and fences.....	5,376 85
		By amount paid for salaries and hire account.	16,367 07
		By amount paid Trustees per diem.....	1,206 00
		By amount paid City Register as required by ordinance of the City.....	4,057 80
	$88,752 43		$88,752 43

FINANCIAL EXHIBIT FOR 1890—Concluded.

RECAPITULATION.

Amount drawn from City Treasurer	$84,694 63
Amount paid City Register	4,057 80
Actual amount expended	$80,636 83
Average number of inmates	1,068 6/12
Cost per capita	$75 86 1/20
Amount of appropriation	$85,000 00
Amount expended	84,694 63
Amount unexpended remaining in City Treasury	$ 305 37

TABULAR STATEMENT

OF THE

SUPERINTENDENT,

MARKED A to M.

For the Year 1890.

TABLE A.

Showing the number of Persons Admitted, Born, Discharged, Eloped, Bound and Died; also the number Remaining at the expiration of each month, for year ending December 31st, 1890.

Date 1890.	Admitted.	Born.	Discharged.	Eloped.	Bound.	Died.	Remaining.
January....	286	2	190	80	....	16	1,238
February ...	224	1	150	42	....	17	1,254
March.....	207	2	161	76	....	25	1,201
April.....	129	1	183	63	....	17	1,068
May.....	97	....	143	54	....	14	954
June.....	91	2	71	58	....	11	907
July.....	147	....	62	24	....	21	947
August.....	132	1	92	15	....	10	963
September..	129	....	96	12	....	13	971
October.....	157	3	93	21	....	7	1,010
November..	190	....	76	28	....	8	1,088
December...	258	....	72	43	....	10	1,221
Total.....	2,047	12	1,389	516	....	169	12,822

On the books December 31st, 1889.....	1,236
Total ingress.....	2,059
	3,295
Total egress.....	2,074
In the house December 31st, 1890.....	1,221

TABLE B.

Showing the Birthplace of Persons Admitted to the Almshouse from January 1st, 1890, to December 31st, 1890.

Natives.		Foreigners.	
Almshouse	15	Germany	394
Baltimore	491	Ireland	392
Maryland	188	England	106
Virginia	94	Poland	25
Pennsylvania	92	Canada	11
New York	73	Scotland	29
Connecticut	7	Italy	6
New Jersey	17	West Indies	5
South Carolina	11	Switzerland	5
North Carolina	15	Cuba	1
Massachusetts	25	Sweden	10
Delaware	5	France	11
Ohio	6	Denmark	8
District of Columbia	27	Bohemia	1
Rhode Island	3	Austria	7
Vermont	2	Russia	5
Illinois	12	East Indies	3
Missouri	5	Belgium	1
Florida	1	Norway	3
West Virginia	5	Australia	1
Kentucky	5		924
Indiana	3		
Michigan	4		
Georgia	2		
Louisiana	3		
Maine	1		
Minnesota	2		
New Hampshire	2		
Alabama	1	Foreigners	924
Unknown	18	Natives	1135
	1135	Total	2059

TABLE C.

Showing the Ages of Persons Admitted to the Almshouse from January 1st, 1890, to December 31st, 1890.

Under 1 year	16
From 1 to 5 years	15
" 5 " 10 "	3
" 10 " 15 "	5
" 15 " 20 "	46
" 20 " 30 "	392
" 30 " 40 "	489
" 40 " 50 "	493
" 50 " 60 "	314
" 60 " 70 "	177
" 70 " 80 "	72
" 80 " 90 "	17
" 90 "100 "	..
Unknown	20
Total	2,059

TABLE D.

Showing the Period of Residence in the City of all Persons Admitted to the Almshouse, from January 1st, 1890, to December 31st, 1890.

Born in the Almshouse	15
Born in Baltimore	491
Less than one week	155
One week, and less than one month	172
One month, and less than three months	68
Three months, and less than six months	45
Six months, and less than one year	56
One year, and less than two years	110
Over two years	925
Period of residence unknown	22
Total	2,059

TABLE E.

Showing the Habits of Persons Admitted to the Almshouse, from January 1st, 1890, to December 31st, 1890.

Intemperate adults	1,487
Temperate adults	514
Adults whose habits are unknown	22
Children of intemperate adults	10
Children of temperate adults	26
Children of adults whose habits are unknown	..
Total	2,059

TABLE F.

Showing the Monthly Average of Persons in the Almshouse, from January 1st, 1890, to December 31st, 1890.

Date—1890.	WHITE.			COLORED.			Total.	WHERE FROM.		Total.
	Men.	Women.	Children.	Men.	Women.	Children.		City.	Elsewhere.	
January	679	369	18	79	85	8	1,238	670	568	1,238
February	705	362	17	80	84	6	1,254	662	592	1,254
March	644	364	19	75	90	9	1,201	641	560	1,201
April	542	346	18	68	88	6	1,068	574	494	1,068
May	454	339	15	63	81	2	954	540	414	954
June	414	331	21	61	78	2	907	525	382	907
July	452	334	21	59	79	2	947	587	360	947
August	464	338	20	60	78	3	963	617	346	963
September	472	336	19	59	81	4	971	557	414	971
October	503	333	20	62	87	5	1,010	632	378	1,010
November	575	341	17	63	87	5	1,088	607	481	1,088
December	692	346	14	76	89	4	1,221	629	592	1,221
Total	6,596	4,139	219	805	1,007	56	12,822	7,199	5,623	12,822
Monthly average	$549\frac{8}{12}$	$344\frac{11}{12}$	$18\frac{3}{12}$	$67\frac{1}{12}$	$83\frac{11}{12}$	$4\frac{8}{12}$	$1,068\frac{6}{12}$	$599\frac{11}{12}$	$468\frac{7}{12}$	$1,068\frac{6}{12}$

TABLE G.

Showing the number of Persons Committed to the Almshouse by Magistrates, and their Age, Sex, Color and Period of Commitment, from January 1st, 1890, to December 31st, 1890.

Date—1890.	Sex and Age.					Color.			Period of Commit't			
	Males over 21.	Males under 21.	Females over 18.	Females under 18.	Total.	White.	Colored.	Total.	Under 3 months.	3 to 6 months.	6 months and over.	Total.
January	7	....	1	....	8	5	3	8	.....	4	4	8
February	8	....	3	1	12	10	2	12	4	4	4	12
March	3	3	4	1	11	5	6	11	3	3	5	11
April	7	1	....	....	8	5	3	8	2	2	4	8
May	7	1	1	...	9	5	4	9	5	2	2	9
June	1	....	1	1	3	3	....	3	.....	.....	3	3
July	....	....	3	....	3	3	....	3	2	1	.....	3
August	4	....	3	....	7	6	1	7	4	2	1	7
September	3	1	5	...	9	6	3	9	3	2	4	9
October	3	2	....	....	5	4	1	5	1	2	2	5
November	3	1	1	1	6	5	1	6	2	4	.....	6
December	3	....	3	....	6	4	2	6	3	.....	3	6
Total	49	9	25	4	87	61	26	87	29	26	32	87

TABLE H.

Showing the Birthplace of Persons Committed to the Almshouse as vagrants, &c., by Magistrates, from January 1st, 1890, to December 31st, 1890.

Natives.		Foreigners.	
Baltimore	16	Germany	15
Maryland	10	Ireland	11
New York	4	Cuba	1
Pennsylvania	3	Scotland	2
Virginia	9	Poland	2
District of Columbia	7	England	2
South Carolina	2		
Missouri	1	Foreigners	33
Unknown	2	Natives	54
	54	Total	87

TABLE I.

Showing the Work Done by Inmates from January 1st, 1890, to December 31st, 1890, and its Approximated Value.

21,345	days labor, at $1.00	$21,345 00
1,878	days washing and ironing, at 50 cts.	939 00
2,112	days carpentering, at $1.50	3,168 00
646	days painting and glazing, at $1.50	969 00
326	days tinning, &c., at $1.50	489 00
62	days bricklaying, at $1.50	93 00
19	days plastering, at $1.50	28 50
1,232	days tailoring, at $1.50	1,848 00
939	days cobbling, at $1.50	1,408 50
626	days blacksmithing, at $1.50	939 00
3,981	shirts made, at 12 cts	477 72
1,823	undergarments made, at 15 cts.	273 45
1,110	frocks made, at 30 cts.	333 00
692	pairs of drawers made, at 20 cts.	138 40
74	pairs of stockings made, at 20 cts.	14 80
649	aprons made, at 5 cts	32 45
32	infants' slips made, at 10 cts	3 20
642	bed ticks made, at 15 cts	96 30
719	pillow cases made, at 15 cts	107 85
480	pillow ticks made, at 5 cts	24 00
925	bed sheets made, at 5 cts.	46 25
54	window curtains made, at 10 cts	5 40
300	women's jackets made, at 20 cts	60 00
112	table covers made, at 5 cts.	5 60
1,310	towels made, at 5 cts.	45 50
275	slips made, at 20 cts	55 00
392	quilts made, at $1.50	588 00
87	spreads made, at 50 cts.	43 50
63	mosquito nettings made, at 50 cts.	31 50
		$33,608 92

TABLE K.

Showing the Quantity of Clothing issued to the inmates, from January 1st, 1890, to December 31st, 1890.

Date—1890.	Pairs of Shoes and Slippers.	Shirts.	Pairs of Men's Hose.	Pantaloons.	Vests.	Jackets.	Coats.	Hats.	Aprons.	Flannel Shirts.	Slips.	Dresses.	Women's Stockings.	Drawers.	Under Garments.	Wom'ns Josies and Jackets.
January.....	184	193	198	98	42	19	42	20	61	40	20	94	57	31	83	9
February....	124	173	228	26	26	7	27	4	12	30	23	63	78	42	127	30
March	164	272	330	52	24	18	17	18	132	18	17	53	105	24	182	95
April.....	153	215	192	80	58	24	55	5	37	29	6	79	81	27	100	74
May.....	135	298	192	124	56	8	57	5	17	....	12	151	145	27	50	18
June.....	194	152	172	134	58	7	79	131	116	....	....	87	65	87	87	42
July.....	109	120	288	165	5	4	6	12	20	35	14	37	84	104	91	32
August.....	178	255	140	31	64	23	82	2	23	7	38	47	20	92	50	27
September...	147	269	255	109	53	9	73	27	18	21	24	18	48	181	33	49
October.....	156	162	194	139	178	110	69	59	59	46	20	61	108	42	104	104
November..	324	252	131	289	39	17	82	20	62	76	12	46	191	143	193	90
December....	323	298	148	211	98	112	241	18	46	12	24	51	96	14	93	49
Total.....	2191	2659	2468	1458	701	258	830	321	503	314	210	787	978	816	1193	619

TABLE L.

Showing the Number of Births and Deaths in each Month, also the Sex and Color, from January 1st, 1890, to December 31st, 1890.

Date—1890.	BIRTHS.					DEATHS, ADULTS.				DEATHS, CHILDREN				
	White Males.	White Females.	Colored Males.	Colored Females.	Total.	White Males.	White Females.	Colored Males.	Colored Females.	White Males.	White Females.	Colored Males.	Colored Females.	Total.
January	..	..	..	2	2	6	6	2	2	..	..	..	..	16
February	1	..	..	..	1	9	4	3	1	..	..	..	..	17
March	1	..	1	..	2	13	5	5	2	..	..	..	..	25
April	..	..	..	1	1	3	10	3	..	..	..	1	..	17
May	..	..	..	..	..	2	4	3	5	..	..	..	..	14
June	2	..	..	..	2	4	3	1	3	..	..	..	..	11
July	..	..	..	..	..	7	4	4	6	..	..	..	..	21
August	..	..	1	..	1	4	2	3	1	..	..	..	..	10
September	..	..	..	..	..	6	2	2	2	1	..	..	..	13
October	1	1	..	1	3	3	2	2	..	..	..	..	..	7
November	..	..	..	..	..	5	1	2	..	..	..	..	..	8
December	..	..	..	..	..	2	2	3	3	..	..	..	..	10
Total	5	1	2	4	12	64	45	33	25	1	..	1	..	169

TABLE M.

Showing the Names, Quantity and Average Cost of Articles purchased for the Institution from January 1st, 1890, to December 31st, 1890.

A.

Apples, dried,	430 pounds,	at 9¾ cts. per lb.
Apples, barrels,	16 barrels,	at $4.35 per bbl.
Alcohol,	10 gallons,	at $2.18 per gal.
Axle grease,	293 pounds,	at 3½ cts. per lb.

B.

Brushes, shaving,	1 dozen,	at $ 1.50 per doz.
Brushes, dusting	3 dozen,	at 6.16 per doz.
Brushes, scrubbing,	7 dozen,	at 1.50 per doz.
Brushes, whitewash,	4½ dozen,	at 13.50 per doz.
Brushes, deck scrubs,	½ dozen,	at 4.50 per doz.
Brushes, sweeping,	1½ dozen,	at 8.00 per doz.
Brushes, shoe,	1 dozen,	at 5.75 per doz.
Brushes, paint,	2½ dozen,	at 42¾ cts. each.
Buckets, agate,	6 dozen,	at $10.65 per doz.
Buckets, water,	12 dozen,	at 2.60 per doz.
Butter,	5,145 lbs.,	at 14½ cts. per lb.
Brooms, corn,	47 dozen,	at $2.75 per doz.
Brooms, street,	1½ dozen,	at 5.50 per doz.
Brooms, hickory,	10 dozen,	at 2.75 per doz.
Blankets,	340 pairs,	at 1.93 per pair.
Bricks, assorted,	34,000,	at 8.50 per M.
Buckwheat,	150 pounds,	at 3 cts. per lb.

TABLE M—Continued.

Bacon, shoulders,	32,515 lbs.,	at 6½ cts. per lb.
Bacon, shoulders, S. C.,	2,679 lbs.,	at 7¼ cts. per lb.
Bacon, hams,	3,522 lbs ,	at 10¼ cts. per lb.
Beef, corned,	1,058 lbs.,	at 4 cts. per lb.
Beef, roast,	5,010 lbs.,	at 10 cts. per lb.
Beef, steak,	6,647 lbs.,	at 10 cts. per lb.
Beef, general house,	126,648 lbs.,	at 4 cts. per lb.
Beef, round,	3,694 lbs.,	at 4 cts. per lb.
Beans, white,	$373\frac{50}{60}$ bus.,	at $1.80 per bu.
Brogans,	812 pairs,	at 1.25 per pair.

C.

Crackers, water,	1,656 lbs.,	at 7 cts. per lb.
Crackers, soda,	333 pounds,	at 8 cts. per lb.
Calico, for comforts,	1,139¾ yds.,	at 12¾ cts. per yd.
Candles,	100 pounds,	at 10½ cts. per lb.
Cheese,	140 pounds,	at 12 cts. per lb.
Corn starch,	760 pounds,	at 5½ cts. per lb.
Corn meal,	9,100 lbs.,	at 1½ cts. per lb.
Corn, ear,	288 barrels,	at $2.87 per bbl.
Corn chop,	26,000 lbs.,	at 75 cts. per cwt.
Coal, Cumberland,	$1,584\frac{2200}{2240}$	at $3.05 per ton.
Coal, Sunbury,	$237\frac{1530}{2240}$	at $4.59 per ton.
Corn,	190 bus.,	at 65 cts. per bu.
Coffee, Java,	2,031 lbs.,	at 25½ cts. per lb.
Coffee, Rio,	8,656 lbs.,	at 20½ cts. per lb.
Coffee, Hummell's Ess.,	1,104 lbs.,	at 4½ cts. per lb.
Crash,	404 yards,	at 15 cts. per yd.

TABLE M—Continued.

Cakes, ginger,	708 pounds,	at 6¾ cts. per lb.
Cakes, sugar,	294 pounds,	at 9¼ cts. per lb.
Cement,	40 barrels,	at $1.60 per bbl.
Chamois skins,	2,	at 1.00 each.
Calcined plaster,	1 barrel,	at 2.00 per bbl.
Charcoal,	150 barrels,	at 40 cts. per bbl.
Collars, horse,	2,	at $3.50 each.
Combs, dressing,	16½ dozen,	at 60 cts. per doz.
Combs, fine tooth,	12¾ dozen,	at 52½ cts. per doz.
Cotton waste,	45 pounds,	at 10¼ cts. per lb.
Cotton batts,	150 pounds,	at 3½ cts. per lb.
Construction account,		$442.24.
Cotton, raw,	534 pounds,	at 11 cts. per lb.
Clothing, men's ready-made,		$639.50.

D.

Dress goods, calico,	1,579 yards,	at 9¼ cts. per yd.
Domestic plaid,	2,453¼ yds.,	at 14 cts. per yd.
Drugs (per contract),		$2,826.56.
Duck, cotton,	204 yards,	at 33 cts. per yd.

E.

Engineer's stores and repairs,	$2,048.28.

F.

Flannel, for lining,	779 yards,	at 26¼ cts. per yd.
Flannel, Canton,	679 yards,	at 13¼ cts. per yd.

TABLE M—Continued.

Flannel, red,	192 yards,	at 37½ cts. per yd.
Flour, family,	52 barrels,	at $5.85 per bbl.
Flour, extra,	1,857 bbls,	at 3.65 per bbl.
Fire clay,	1 barrel,	at 2.50 per bbl.
Files, saw,	5 dozen,	at 50 cts. per doz.
Furniture, &c ,		$500.95.
Farm account,		444.73.

G.

Glass, window,	11 boxes,	at $3.00 per box.
Glass and Queensware,		$78.19.
Glue,	25 pounds,	at 15 cts. per lb.
Grain, feed,	2,412 lbs.,	at 8 cts. per lb.

H.

Hose, women's,	54 dozen,	at $1.35 per doz.
Hose, men's,	147 dozen,	at 80 cts. per doz.
Hops,	150 pounds,	at 36 cts. per lb.
Hay,	$35\frac{160}{2000}$ tons,	at $13.20 per ton.
Hominy,	25 barrels,	at 3.44 per bbl.
Hardware,		$238.79.
Harness and repairs,		$129.00.
Herrings, salt,	27 barrels,	at $5.29 per bbl.
Herrings, fresh,	7,900,	at 40 cts. per 100.
Hats,	26 dozen,	at $1.80 per doz.
Handkerchiefs,	11 dozen,	at 87 cts. per doz.
Hair,	18 bushels,	at 25 cts. per bus.

TABLE M—Continued.

I.

Ice,	$84\frac{1200}{2000}$ tons,	at $7.45 per ton.

L.

Leather, sole,	662¾ lbs.	at 30 cts. per lb.
Leather, calf skins,	9,	at $2.25 each.
Lard,	3,465 lbs.	at 7¼ cts. per lb.
Lime,	169 bushels,	at 34 cts. per bus.
Lime, chloride of	1,898 lbs.,	at 3¾ cts. per lb.
Lumber, assorted,		$1,411.59.
Live stock,		872.50.
Lead, white,	1,600 lbs.,	at 7¼ cts. per lb.

M.

Muslin, striped shirt'g,	2,656¼ yds.,	at 8½ cts. per yd.
Muslin, white,	1,017¾ yds.,	at 21¼ cts. per yd.
Muslin, brown,	11,216 yds.,	at 6¾ cts. per yd.
Men's wear,	3,725¾ yds.,	at 39¾ cts. per yd.
Mosquito netting,	42 pieces,	at 50 cts. per piece.
Matches,	130 gross,	at 55 cts. per gross.
Malt, ground,	10 bushels,	at $1.05 per bus.
Mutton,	20,964 lbs.	at $3.15 per 100.
Mutton and chops,	1,550 lbs.,	at 10 cts. per lb.
Molasses,	947 gallons,	at 28 cts. per gal.
Middlings,	1,168 bus.,	at 16¼ cts. per bus.
Middlings,	13½ tons,	at $22.00 per ton.

TABLE M—Continued.

Meal, flaxseed,	200 pounds,	at $1.75 per 100.
Miscellaneous,		$3,946.08.
Notions,		290.93.
Nails, finishing,	12 papers,	at 7 cts. per paper.
Nails, cut,	16 kegs,	at $2.35 per keg.

O.

Oatmeal,	6 barrels,	at $5.65 per bbl.
Oats,	770 bushels,	at 46 cts. per bu.
Oil, lard,	269 gallons,	at 55 cts. per gal.
Oil, gasoline,	288 barrels,	at $6.08 per bbl.
Onions,	2 barrels,	at 3.50 per bbl.

P.

Posts, cedar,	49,	at 80 cts. each.
Pies, assorted,	1,400,	at 6 cts. each.
Paints,		$117.77.
Putty,	167 pounds,	at 3 cts. per lb.
Potatoes,	3,360½ bus.,	at 72 cts. per bu.
Phenile,	150 gallons,	at $1.25 per gal.
Pork, corned,	840 pounds,	at 7½ cts. per lb.
Plaster, ground,	2 tons,	at $7.75 per ton.
Phosphates, S. H.,		$28.60.
Potatoes, sweet,	7 barrels,	at $1.70 per bbl.

R.

Rice,	5,324 lbs.,	at 5½ cts. per lb.

TABLE M—Continued.

Rivets, tin,	8 papers,	$ 2.09.
Repairs in general,		268.72.

S.

Slip stuff,	443½ yards,	at 32½ cts. per yd.
Spectacles,	5 dozen,	at $2.50 per doz.
Starch, laundry,	530 pounds,	at 4 cts. per lb.
Spoons, tinned iron,	2½ gross,	at $2.40 per gr.
Soap, ivory,	2 boxes,	at 4.25 per box.
Soap, M. & L.,	5,000 lbs.,	at 3½ cts. per lb.
Soap, white,	7,469 lbs ,	at 5 cts. per lb.
Shoe laces,	12 gross,	at 40 cts. per gr.
Shoe laces, leather,	11 gross,	at 54 cts. per gr
Shovels,	1 dozen,	at $4.20 per doz.
Salt, fine,	201 bushels,	at 44 cts. per bus.
Salt, G. A.,	78 bushels,	at 25¾ cts. per bus.
Straw, wheat,	$79\frac{585}{2000}$,	at $9.00 per ton.
Straw, oat,	$1\frac{300}{2000}$,	at $10.50 per ton.
Solder,	128½ lbs.,	at 14 cts. per lb.
Shoe findings,		$16.35.
Sugar, brown,	21,007 lbs.,	at 5½ cts. per lb.
Sugar, white,	8,901 lbs.,	at 6¾ cts. per lb.
Shoe blacking,	6 dozen,	at 50 cts. per doz
Slippers, men's,	184 pairs,	at 75 cts. per pair.
Slippers, women's,	36 pairs,	at 65 cts. per pair.
Shoeing and repairs,		$311.55.
Shovels,	2,	at 75 cts. each.
Stoves and pipes,		$ 76.72.
Spices,		103.36.

TABLE M—Concluded.

Sal soda,	450 pounds,	at 1½ cts. per lb.
Seed, garden,		$59.39.
Surgical instruments,		44.55.

T.

Turnips,	337 bushels,	at 10 cts. per bus.
Towels,	4 dozen,	at $3.50 per doz.
Tin plate,	8 boxes,	at $11.20 per box.
Tobacco,	3,812 lbs.,	at 25 cts. per lb.
Tea, He No,	175 lbs.,	at 50 cts. per lb.
Tea, Imperial & Black,	2,016 lbs.,	at 30 cts. per lb.
Tinware, &c., &c.,		$104.39.

V.

Vinegar,	437 gallons,	at 15 cts. per gal.

W.

Whiskey, dispensary,	418½ gals.,	at $1.85 per gal.
Wood, pine,	20 cords,	at 3.50 per cord.

Y.

Yeast powder,	4 gross,	at $4.00 per gr.

Report of the Engineer.

BAY VIEW ASYLUM, January 1st, 1891.

To the Honorable Board of Trustees.

GENTLEMEN:

I herewith most respectfully present to you the Annual Report of this department, for the year ending December 31st, 1890.

WM. KAISER,
Engineer.

Total Amount of George's Creek Coal consumed, and by what Department of the Institution.

Departments.	Lbs.	Tons.	Lbs.
Tubular boiler	3,429,200	1,530	2,000
Blacksmith shop	10,275	4	1,315
Total	3,439,475	1,535	1,075

Total Amount of Sunbury Coal consumed, and by what Department of the Institution.

Departments.	Lbs.	Tons.	Lbs.
Centre kitchen	86,410	38	1,290
Matron's kitchen	53,702	23	2,182
Ironing room	30,420	13	1,300
Bake house	76,260	34	100
Pest hospital	67,620	30	420
Insane building	51,480	22	2,200
Main gate	11,200	5	.....
East gate	8,440	3	1,720
West gate	8,620	3	1,900
Carpenter shop	8,920	3	2,200
Total	403,072	179	2,112

George's Creek coal on hand Dec. 31, 1890...100 tons.
Sunbury coal on hand Dec. 31, 1890..... 95 tons.

Report of the Gardener.

Bay View Asylum, January 1st, 1891.

To the Honorable Board of Trustees.

Gentlemen :

Permit me, most respectfully, to present this my Annual Report as Gardener of the Institution for the year ending December 31st, 1890.

JOHN F. BARRANGER,
Gardener.

Articles.	Bushels	Dozen	Bunches	Pounds	Gallons	Tons	No. of	Price	Total Amount
Cabbage							12910	$3 00	$387 30
Tomatoes	1,020							50	510 00
Potatoes	497							50	248 50
Asparagus			265					15	37 75
Spinach	89							25	22 25
Turnips	1,213							40	485 20
Carrots	270							50	135 00
Parsnips	465							75	348 75
Celery			2,960					10	296 00
Cymlins		192						10	19 20
Corn, green		27						10	2 70
Oyster plant			197					03	5 91
Pickles							3,532	$3prM	3 53
Lima Beans	190							2 00	380 00
Beets			4,350					02	87 00
Cabbage Sprouts	125							40	50 00
Kale Sprouts	175							40	70 00

Gumbo	205							70	143 50
Cucumbers		300						06	18 00
Broccoli	172							50	86 00
Radishes			1,640					02	32 80
Green Peas	175							50	87 50
String Beans	257							60	154 20
Leeks			3,970					03	119 10
Parsley			4,070					01	40 70
Lettuce							1,095	03	32 85
Onions	149							2 00	298 00
Onions (setts)	12							3 00	36 00
Onions (spring)			2,375					03	71 25
Thyme			2,680					01	26 80
Peppers		2,530						06	151 80
Horseradish		42						04	1 68
Oat Straw						5		10 00	50 00
Timothy Hay						16		15 00	240 00
Pigs							64		133 35
Ice						75		6 00	450 00
Butter				1,857				25	464 25
Cream					1,019			40	407 60
Milk					14,191			15	2,128 65
Eggs		3,829						15	574 35
									$10,837 47

Report of the Baker.

BAY VIEW ASYLUM, January 1st, 1891.

To the Honorable Board of Trustees:

GENTLEMEN:

I herewith present this, my Annual Report, as Baker of this Institution, for the year ending Dec. 31st, 1890.

Very respectfully,

CHARLES JONES, *Baker.*

Flour received		1663 bbls.
Loaves of bread baked	414,027	
Loaves of bread on hand January 1st, 1890	738	
	414,765	
Loaves of bread sent to store	413,811	
On hand January 1st, 1891	954	
Weight of bread baked		517,533 lbs.
Average weight of each loaf		1 lb. 4 ozs.

REPORT

—OF THE—

MEDICAL AND SURGICAL DEPARTMENTS.

REPORT.

BAY VIEW ASYLUM, January 1st, 1891.

To the Honorable Board of Trustees.

GENTLEMEN:

We have the honor to present the Annual Report of the Medical and Surgical Departments of the Institution, for the year ending December 31st, 1890.

During the past year the mortality has been reduced from 9 per cent. to 5 9 per cent.

The following gentlemen compose the visiting staff:

Physicians.	*Surgeons.*
Prof. I. E. Atkinson.	Prof. J. W. Chambers.
" George J. Preston.	" L. McL. Tiffany.
" George H. Rohé.	" J. E. Michael.
Dr. Joseph T. Smith.	" C. F. Bevan.
" C. Hampson Jones.	" Randolph Winslow.
" Henry J. Berkley.	Dr. W. B. Platt.
" Frank C. Bressler	" J. H. Branham.
" Wm. J. Jones.	" L. F. Ankrim.

Very respectfully,

FRANKLIN W. HAINS.
FRANK DYER SANGER.

TABULAR STATEMENT No. 1

Of cases treated in the hospital wards of Bay View Asylum during the year ending December 31st, 1890.

Diseases.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Abortion	3	3	....	....	....	....
Abscess, arm	2	2	....	....	....	....
" alviolar	3	3	....	....	....	....
" axillary	4	4	....	....	....	....
" buccal	1	1	....	....	....	....
" cervical	9	7	....	....	....	2
" foot	3	3	....	....	....	....
" gluteal	1	1	....	....	....	....
" hand	3	3	....	....	....	....
" head of femur	1	....	1	....	....	....
" labial	2	2	....	....	....	....
" parotid	1	1	....	....	....	....
" periurethral	3	3	....	....	....	....
" popliteal space	2	2	....	....	....	....
" pinnax	1	1	....	....	....	....
" sacral	1	1	....	....	....	....
" scapular	1	1	....	....	....	....
" thigh	3	3	....	....	....	....
" vulvo-vaginal	1	1	....	....	....	....
Adenitis, cervical	1	1	....	....	....	....
Alcoholism	16	14	2	....	....	....
Anaemia, simple	13	12	....	....	....	1
" symtomatic	2	2	....	....	....	....
Aneurism, aortic	2	....	2	....	....	....
" abdominal	1	....	1	....	....	....
" innominate	1	....	1	....	....	....
" carotid	1	....	1	....	....	....
Angina Pectoris	1	....	....	....	1	....

TABULAR STATEMENT No 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Arthritis, deformans	5	....	....	5	....	....
" rheumatic	2	1	1	....	....	....
Asthma	8	....	5	3	....	....
Aphonia	5	1	3	....	....	1
Apthæ	3	3	....	....	....	....
Atonic pustulitis	2	2	....	....	....	....
Atrophy, progressive muscular	2	....	....	1	1	....
Balano posthitis	8	8	....	....	....	....
Blephoritis marginalis	7	7	....	....	....	....
Blenorrhœa	4	2	1	....	....	1
Bright's disease, acute	7	3	2	2	....	....
" " chronic	25	....	16	3	5	1
Bronchitis, acute	56	56	....	....	....	....
" chronic	24	2	20	....	....	2
Bubo	57	52	....	....	....	5
Burn	8	8	....	....	....	....
Bursitis prepateleæ	6	6	....	....	....	....
Carbuncle	8	7	....	....	....	1
Carcinoma, breast	2	....	1	....	1	....
" cheek	1	....	1	....	....	....
" inguinal	1	....	....	....	1	....
" rectum	1	....	....	....	1	....
" stomach	1	....	....	....	1	....
" tongue	1	....	....	....	1	....
" uterus	1	....	....	....	1	....
Caries of acromion process and spine of scapula	1	....	1	....	....	....
Cellulitis	19	19	....	....	....	....
Cerebral syphilis	1	....	1	....	....	....

TABULAR STATEMENT No. 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Cerebral softening	1	....	....	....	1	....
" tumor	2	....	....	2	....	....
Cerebellar tumor	1	....	....	....	....	1
Chancroids	85	75	....	....	....	10
" phagedenic	5	4	....	....	1	....
Cholelithiasis	1	....	1	....	....	....
Cholera morbus	7	7	....	....	....	....
Chorea	1	....	1	....	....	....
Cirrhosis of liver	2	....	....	....	2	....
Constipation, chronic	4	....	4	....	....	....
Conjunctivitis	12	12	....	....	....	....
" purulent	1	1	....	....	....	....
Coxalgia	1	....	1	....	....	....
Cystitis	12	7	4	....	....	1
Delirium tremens	6	6	....	....	....	....
Dementia	1	....	....	1	....	....
Dermatitis venenata	2	2	....	....	....	....
Diabetes insipidus	1	....	....	....	....	1
" mellitus	1	....	....	....	1	....
Diarrhœa, acute	27	23	....	....	3	1
" chronic	6	....	2	....	2	2
" tubercular	2	....	1	....	1	....
Dislocation clavicle	1	1	....	....	....	....
Dysentery, acute	6	5	....	....	1	....
" chronic	1	....	1	....	....	....
Dysmenorrhœa	5	3	2	....	....	....
Eczema, acute	10	10	....	....	....	....
" chronic	5	1	2	1	....	1
Elephantiasis, leg	1	....	....	....	....	1
Emphysema	11	....	5	3	....	3

TABULAR STATEMENT No. 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Endocervicitis	7	3	2	2	....	....
Enuresis	3	....	3	....	....	....
Epididymitis	6	4	....	....	....	2
Epilepsy	17	....	10	6	1	....
Epithelioma	1	1	....	....	....	....
Erysipelas	6	6	....	....	....	....
" facial	12	12	....	....	....	....
Fever, ephemeral	1	1	....	....	....	....
" intermittent	49	44	....	....	....	5
" remittent	1	....	....	....	....	1
" typhoid	11	10	....	....	1	....
Fracture, clavicle	2	2	....	....	....	....
" femur, neck of	4	4	....	....	....	....
" humerus	2	2	....	....	....	....
" humerus, surgical neck	1	1	....	....	....	....
" metacarpus	1	1	....	....	....	....
" radius	1	1	....	....	....	....
" rib	6	6	....	....	....	....
" sternum	1	1	....	....	....	....
" ulnar	1	1	....	....	....	....
Fistula, urethral	3	1	....	1	....	1
" in ano	1	....	1	....	....	....
Frost bite	3	3	....	....	....	....
Furunculosis	10	10	....	....	....	....
Gangrene, senile	1	....	....	....	1	....
Gastritis, alcoholic	9	7	2	....	....	....
" simple	7	7	....	....	....	....
Gastro-duodenitis	1	....	1	....	....	....
Glaucoma	1	1	....	....	....	....

TABULAR STATEMENT No. 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Goitre	1	....	....	....	....	1
Gonorrhoea	34	30	....	....	....	4
Haemoptysis	4	....	4	....	....	....
Heart, aortic stenosis	19	....	9	2	4	4
" " regurgitation	16	....	10	....	2	4
" mitral stenosis	5	....	5	....	....	....
" " regurgitation	23	....	19	....	1	3
" fatty	1	....	....	....	1	....
Hemiplegia	11	....	3	1	2	5
Hemorrhage, spinal meningeal	1	....	....	....	....	1
Hemorrhoids	4	1	3	....	....	....
Hernia, inguinal	8	2	2	4	....	....
" lumbar	1	....	....	1	....	....
" ventral	1	1	....	....	....	....
" strangulated	5	....	5	....	....	....
Hodgkin's disease	1	....	....	1	....	....
Hydronephrosis	1	....	....	1	....	....
Hypochondriasis	2	....	1	1	....	....
Hypospadias	2	....	....	1	....	1
Hydrocele	3	1	2	....	....	....
Hysteria	13	....	8	5	....	....
Influenza	5	5	....	....	....	....
Iritis	4	4	....	....	....	....
Keratitis	2	2	....	....	....	....
Laceration, cervix	1	1	....	....	....	....
" perineum	5	5	....	....	....	....
Laryngitis	2	2	....	....	....	....
Lipoma multiple	1	....	....	1	....	....
Lumbago	13	13	....	....	....	....

TABULAR STATEMENT No. 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Malarial Cachexia	11	9	....	....	....	2
Malingerer	8	8	....	....	...	....
Mania, acute	3	...	2	1	....	....
Mastitis suppurating	2	2	....	....	....	....
Melancholia	6	....	2	2	....	2
Meningitis, cerebro-spinal	3	....	....	....	....	3
" tubercular	1	....	....	....	1	....
Menorrhagia	4	3	1	....	....	....
Metrorrhagia	2	....	2	....	....	....
Myalgia	5	5	....	....	....	....
Myelitis, disseminated	1	....	1	....	....	.. .
" transverse	4	....	....	1	1	2
Necrosis, femur	3	2	....	....	....	1
" ilium	1	....	1	....	..	....
Neuralgia	9	8	....	....	....	1
" intercostal	3	3	....	....	....	....
Neurasthenia	1	....	....	1	....	....
Neuritis	3	3	....	....	....	....
" multiple	1	....	1	....	....	....
Opium habit	2	....	1	....	....	1
Orchitis	6	6	....	....	....	....
Otitis media	1	1	....	....	....	.
Otorrhoea	2	2	....	....	....	....
Ovarian cyst	1	1	....	....	....	....
Oyster hand	10	9	....	....	....	1
Paralysis, agitans	1	....	....	....	....	1
" acute ascending	1	....	1	....	....	....
" Bell's	3	....	2	1	....	....
" crutch	1	1	....	....	....	....
Paraphimosis	4	4	....	....	....	..

TABULAR STATEMENT No 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Paronychia	3	3	....	....	....	....
Parotiditis	1	1	....	....	....	....
Periostitis, acute	2	2	....	....	....	....
Peritonitis, acute	1	....	....	....	1	....
" pelvic	1	1	....	....	....	....
" tubercular	1	....	....	....	1	....
Pertussis	1	1	....	....	....	....
Pharyngitis	10	10	....	....	....	....
Phimosis	15	12	....	....	....	3
Pediculosis	7	7	....	....	....	....
Pleurisy, acute	9	7	....	....	1	1
" chronic	2	....	....	....	....	2
Pleuridinia	5	4	....	....	....	1
Pneumonia, fibroid	1	....	....	1	....	....
" catarrhal	1	....	....	....	1	....
" lobar	21	12	....	....	8	1
Pott's disease	3	....	....	....	1	2
Porencephalia	2	....	....	....	....	2
Psoriasis, specific	4	3	....	....	....	1
" vulgaris	1	1	....	....	....	....
Ptyalism	5	5	....	....	....	....
Rheumatism, acute	19	19	....	....	....	....
" chronic	47	....	32	10	....	5
" gonorrhœal	7	5	2	....	....	....
" sub-acute	13	4	9	....	....	....
" syphilitic	12	1	11	....	....	....
Rupture ligament of knee	1	1	....	....	....	....
Sarcoma	1	....	....	1	....	....
Scabies	4	4	....	....	....	....
Sciatica	5	5	....	....	....	....

TABULAR STATEMENT No. 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Sclerosis, lateral	3	....	....	....	....	3
" cerebro-spinal	2	....	....	1	....	1
" posterior-spinal	5	....	....	3	....	2
Senility	14	....	....	9	2	3
Sprain, ankle	5	5	....	....	....	....
" hip	1	1	....	....	....	....
" knee	3	3	....	....	....	....
" wrist	4	4	....	....	....	....
" shoulder	1	1	....	....	....	....
Starvation	1	1	....	....	....	....
Stomatitis	6	4	....	....	....	2
Stricture, rectum	2	....	2	....	....	....
" urethra	11	1	7	1	....	2
" œsophagus	1	1	....	....	....	....
Suppurating inguinal glands	2	2	....	....	....	....
Sycosis parasitica multiple	2	....	2	....	....	....
Synovitis	10	8	2	....	....	....
Syphilis	130	3	98	4	5	20
Tetany	1	1	....	....	....	....
Tic	1	1	....	....	....	....
" Douloureux	3	3	....	....	....	....
Tuberculosis	111	....	41	9	43	18
Tubercular glands	3	....	3	....	....	....
" joints	2	....	2	....	....	....
" testicle	1	1	....	....	....	....
Ulcer	67	46	11	....	....	10
" corneal	2	2	....	....	....	....
" stomach	2	2	....	....	....	....

TABULAR STATEMENT No. 1—Concluded.

Diseases.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Uterus retroversion	7	2	3	2	....	....
" retroflexion	1	....	1	....	....	....
" procidentia	5	2	....	2	....	1
" polypus	2	2	....	....	....	....
" subinvolution	4	4	....	....	....	....
Urethra fistula	3	1	1	....	....	1
Vaginitis	6	6	....	....	....	....
Varicocele	4	....	4	....	....	....
Varix	9	2	7	....	....	....
Vesico-vaginal fistula	1	1	....	....	....	....
Vulvitis	4	4	....	....	....	....
Warts, venereal	10	9	....	....	....	1
Wounds, contused	21	21	....	....	....	....
" incised	9	9	....	....	....	....
" lacerated	14	14	....	....	....	....
" punctured	4	4	....	....	....	....
" scalp	4	4	....	....	....	....
Zoster herpes	3	2	....	....	....	1
Total	1743	953	426	97	103	164

TABULAR STATEMENT No. 2.

Of the Surgical Operations performed during the year ending December 31st, 1890.

Operations.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Amputation, thumb	1	1	....	....	....	....
" toe	1	1	....	....	....	....
Cataract extraction	1	....	1	....	....	....
Circumcisions	14	14	....	....	....	....
Ectopic gestation	1	1	....	....	....	....
Excision, carcimona of face	1	1	....	....	....	....
Excision, epithelioma of face	1	1	....	....	...	....
Excision, sarcoma of superior maxillary bone	5	4	....	....	1	....
Excision, testicle	1	1	....	....	....	....
" inguinal glands	9	9	....	....	....	....
" tubercular glands	1	1	....	....	....	....
" toe nail	1	1	..	....	....	....
Fistula in ano	1	1	....	...	....	....
Hemorrhoids	1	1	....	....	....	....
Herniotomy, inginual	3	3	....	....	....	....
" ventral	1	1	....	....	....	....
Hydrocele	3	2	....	....	....	1
Hysteropexy	1	1	....	....	....	....
Incision of prepuce	5	5	....	....	....	....
Laparotomy exploratory	1	1	...	....	....	....
Necrosis, spine of scapula	1	1	....	....	....	....
" phalanges	2	2	....	....	....	....
Oöphorectomy	1	1	....	....	....	....
Opening knee joint	1	1	....	....	....	....
Paracentesis, abdominis	10	10	....	....	....	....
" scroti	3	....	3	....	....	...

TABULAR STATEMENT No. 2—Concluded.

Operations.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Peri-urethal abscess.....	4	4	....	....	....	....
Perineorrhaphy.....	5	5	....	....	....	....
Polypus, uterine.....	2	2	....	....	....	....
Restoration of eye lid....	1	....	....	....	....	1
Skin grafting.....	2	1	....	....	....	1
Trachelorrhaphy	1	1	....	....	....	....
Urethrotomy external....	2	1	....	....	....	1
" internal	3	1	2	....	....	....
Total	91	80	6	....	1	4

TABULAR STATEMENT No. 3.

Showing Number of Births during the year ending December 31st, 1890.

White males	5
White females	1
Black males	2
Black females	4
Total	12

RECAPITULATION.

Remaining in hospital January 1st, 1890	132
Total ingress	1,611
	1,743
Total egress	1,579
Remaining in hospital December 31st, 1890	164

REPORT

— OF THE —

Resident Physician of City Insane Hospital.

For the Year ending December 31st, 1890.

REPORT.

To the President and Board of Trustees.

GENTLEMEN:

It is my honor to submit to you for your information and consideration, the sixth (6th) Annual Report of Baltimore City Insane Asylum for the fiscal year ending December 31st, 1890.

The sanitary condition of the Asylum during the past year has been excellent, the good result of which is evinced in the fact that none of the epidemics formerly frequent, and properly looked to with much dread, were present. A few of the patients suffered to some extent from "La Grippe" during its epidemic, which was at that time prevalent throughout the country, but, with this exception, we had even less sickness than might naturally be expected, as among the insane there will always be found more or less physical debility, and especially among the class of patients admitted here.

In the treatment of insanity, we find nothing of greater importance than a sufficient amount of exercise, occupation and amusement, all of which I have endeavored to furnish here as much as possible.

The male patients, during the spring, summer and fall, have spent much time in grading and turfing the grounds adjoining those of the new building. They are also frequently engaged in making repairs of some kind about the Institution; while others, who prefer indoor to outdoor exercise, are constant and efficient helps in the wards.

The female patients we find more difficulty in affording occupation for. They, of course, do ward work, but have few opportunities for outdoor employment. Much time is spent by them in the sewing rooms, and this having been the former occupation of a great number of them, it affords them much pleasure.

We are deficient in room for this purpose at present, there having been no provision made for it when the building was constructed. We hope, however, when the new annex is complete and ready to relieve us of our present over-crowded wards, to utilize one of the rooms now occupied as a dormitory. This will give a chance for occupation to many who now remain idle.

I feel it my duty in behalf of the patients, to recommend to your Honorable Body a careful selection in securing attendants for the white male and colored male and female departments.

No one will deny that moral treatment is the most essential in the care of the insane, and by this I mean that personal contact and influence of man over man which the sane can exercise over the insane. The

patient's thoughts and feelings are to be directed from his morbid self-contemplation; new subjects and ideas are to be substituted for his delusions and insane thoughts, and as the former gain a foothold, the latter fade and disappear.

This report, I fear, would be incomplete without mentioning mechanical restraint, a subject much discussed and little settled.

Some institutions seem to be conducted successfully without it, while others use it to considerable extent. It is used here to the least possible extent, but in some cases, I find it impossible to dispense with it, for the patient's own safety and that of others. In such cases alone do I use it when I think it beneficial and by no means a punishment.

Members of the Lunacy Commission have visited the Asylum twice during the year.

I would like here to express my appreciation and thanks to Dr. H. M. Hurd, of Johns Hopkins Hospital, for the interest he has shown, and acknowledge receipt of games, cards, magazines, daily newspapers and other literature from him, which have added greatly to the comfort and amusement of the patients.

We are especially fortunate in having the services of Dr. H. J. Berkely, who visits the Asylum twice a week.

In conclusion, Gentlemen of the Board, accept my grateful appreciation for the kindness you have shown me, for your constant support and advice in performing the duties of the difficult position I occupy.

I wish also, to express my gratitude to our Superintendent, Captain Adolph Martini, who has put forth every effort in supplying the wants and necessities of this Department.

To Dr. Franklin Mouton I am greatly indebted for his services rendered as Assistant Physician, and regret that his resignation has been handed you, which will deprive the Institution of one of the most efficient members of the staff.

Respectfully submitted,

WILLIAM E. WRIGHT,

Resident Physician.

TABLE I.

	White Males.	White Females.	Colored Males.	Colored Females.	Total.
Number of patients present December 31st, 1889	122	132	16	39	309
Admitted from Baltimore	45	35	12	16	108
Transferred from Bay View Almshouse	1	1	....	1	3
Total in Hospital 1890	168	168	28	56	420
Discharged during the year	16	16	2	7	41
Transferred to Bay View Almshouse	....	4	....	....	4
Eloped	1	....	1	....	2
Eloped on pass	4	3	....	1	8
Died	8	12	6	2	28
Total egress	29	35	9	10	83
Present December 31st, 1890	139	133	19	46	337
Time of residence of those discharged otherwise than by death.					
One month or less	5	6	1	3	15
Between one and three months	2	2	1	2	7
" three and six "	5	6	....	....	11
" six and twelve "	3	7	1	2	13
" one and two years	2	1	....	....	3
" two and four "	3	....	....	1	4
" eight and ten "	1	....	....	....	1
" 22 and 24 years	....	1	....	....	1
Sum total	21	23	3	8	55

TABLE II.

Showing Monthly Admission, Discharges, Deaths and Average.

	Admitted.	Discharged.	Died.	Average.
January	5	3	2	$308\frac{12}{31}$
February	8	5	2	$307\frac{25}{28}$
March	14	4	5	$313\frac{14}{31}$
April	3	2	2	$314\frac{1}{30}$
May	8	3	1	$315\frac{26}{31}$
June	11	3	2	$320\frac{2}{15}$
July	15	4	2	$325\frac{25}{31}$
August	8	8	2	$331\frac{21}{31}$
September	7	5	2	$331\frac{13}{15}$
October	12	7	3	$333\frac{30}{31}$
November	9	7	1	$332\frac{4}{15}$
December	11	4	4	$335\frac{12}{31}$
	111	55	28	

Yearly average ..... $322\frac{8}{73}$

Lowest number during year 305

Highest number during year 338

TABLE III.

Nativity of Patients.

Baltimore City	90
Maryland	125
Virginia	18
West Virginia	3
Alabama	1
Massachusetts	1
Delaware	1
Kentucky	1
Wisconsin	1
New York	2
North Carolina	2
Pennsylvania	15
Ohio	1
Germany	79
Poland	1
Ireland	42
Bohemia	3
England	8
Russia	12
Canada	2
Scotland	2
Wales	1
Austria	2
Unknown	4

TABLE IV.

Showing Occupation of those in Hospital during the year 1890.

Actress	1	Gardener	8
Actor	1	Haircurler	1
Baker	3	Harnessmaker	3
Barber	6	Housewife	30
Billiardist	1	Laborer	60
Blacksmith	5	Laundress	6
Bookbinder	3	Machinist	4
Brewer	1	Merchant	5
Bricklayer	5	Musician	4
Brickmaker	2	Nurse	6
Cabinetmaker	1	Painter	7
Carpenter	10	Peddler	8
Cigarmaker	6	Porter	1
Clerk	7	Prostitute	8
Confectioner	2	Salesman	3
Cook	10	Saleslady	1
Currier	1	Scrubwoman	2
Domestic	60	Seamstress	25
Dressmaker	5	Shoemaker	12
Hostler	2	Stonemason	2
Drover	1	Tailor	10
Druggist	2	Teamster	8
Farmer	8	Tramp	6
Filecutter	1	Unknown	20
Fireman	5	Nothing	52

TABLE V.

Showing Form of Mental Disease of those in the Hospital during the Year 1890.

Mania, acute delirious	1
Mania, acute	15
Mania, chronic	48
Mania, recurrent	20
Mania, puerperal	4
Mania, epileptic	16
Paranoia	23
Melancholia, acute	11
Melancholia, chronic	40
Dementia, primary	1
Dementia, secondary	22
Dementia, terminal	78
Dementia, senile	10
Dementia, paretic	5
Imbecility	15
Idiocy	7
Alcoholism, acute	3
Alcoholism, chronic	5
Hysteria	8
Confusional insanity	2
Not insane	2
Unclassified	2
Total	338

TABLE VI.

Showing Time in Hospital of those who Died.

	White Males.	White Females.	Colored Males.	Colored Females.	Total.
One month or less	....	1	....	1	2
Between 1 and 3 months	1	....	1	....	2
Between 3 and 6 months	....	3	3	....	6
Between 6 and 12 months	1	1	....	....	2
Between 1 and 2 years	1	2	....	....	3
Between 2 and 4 years	3	2	....	1	6
Between 4 and 6 years	2	....	2	....	4
Between 8 and 10 years	....	1	....	....	1
Between 18 and 20 years	....	1	....	....	1
Between 24 and 26 years	....	1	....	....	1
Total	8	12	6	2	28
In Hospital twice during year	2	2	1	3	8

TABLE VII.

Showing Cause of Death of those who Died in Institution during the year.

	White Males.	White Females.	Colored Males.	Colored Females.	Total.
Aneurism of aorta	....	1	....	....	1
Aortic regurgitation	....	....	1	....	1
Diarrhœa, chronic	....	....	....	1	1
Exhaustion from terminal dementia	2	3	....	....	5
Exhaustion from paralytic dementia	1	1	2	....	4
Exhaustion from melancholia, acute	....	1	....	....	1
Hemorrhage, cerebral	....	1	1	1	3
Hemorrhage, pulmonary	1	....	....	....	1
Pneumonia, acute lobar	....	....	1	....	1
Status epilepticus	1	1	1	....	3
Meningitis, tubercular	1	....	....	....	1
Tuberculosis, pulmonary	3	....	....	....	3
Mania, acute delirious	....	1	....	....	1
Unknown	....	1	....	1	2
Total	9	10	6	3	28

Report of the Surgeons in Charge of Dental Department.

BALTIMORE, January 11th, 1891.

To the President and Board of
Trustees of Bay View Asylum.

GENTLEMEN:

We, the representatives of the Baltimore College of Dental Surgery, take great pleasure in laying before you a report of the work we have done at your Institution, from April 15th, 1890, until January 1st, 1891.

We take the opportunity here of thanking you for the kind assistance you have lent us in carrying on our department, and the kindly feeling you have always displayed for our college.

During the nine months we have had charge of the Dental Department at your Institution,

Two hundred and eighty-seven (287) cases were treated.
Three hundred and seventy-eight (378) teeth were extracted.
Five (5) cases of ptyalism were treated.
Four (4) plates were made.
Three (3) plates were mended.

Twenty (20) teeth were filled.
Two (2) tongues-ties were operated for.
Thirty-seven (37) abcesses were operated for.
Twenty-one (21) fistula were operated for.
Two (2) fractures were treated.
Eight (8) tumors were removed.
Thirty-six (36) cases of periostitis were treated.
Three (3) cases of pulpitis were treated.
Three (3) cases of supperating autum were treated.
Two (2) cases of fracture were treated.
Three (3) cases of dislocation were treated.
Four (4) cases of pyoubra alorolaris were treated.
Twenty-seven (27) cases of neuralgia were treated.
Thirteen (13) cases of tubercular ulceration of the mouth were treated.
Nineteen (19) cases of syphilitic ulceration of the mouth were treated.
One (1) case of cleft-palate was treated.

Very respectfully yours,

B. D. FRIEDENWALD, D. D. S.,
Demonstrator.

R. B. WINDER,
Dean of the Faculty.

ANNUAL REPORT

— OF THE —

CITY COMMISSIONER

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31, 1890.

REPORT.

CITY COMMISIONER'S OFFICE,

BALTIMORE, January 1st, 1891.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

I submit herewith the Annual Report of this Department, with accompanying reports and tables, for the year ending December 31st, 1890.

REPAIRS OF PAVED STREETS.

The repairing of streets and alleys was begun on the 29th day of April and continued until the 17th day of November, when the appropriation was exhausted. Twelve repair gangs have been heretofore employed, six in the eastern and six in the western parts of the City, with a general superintendent in each section. The general superintendents receive the daily reports of the condition of the streets, and distribute the gangs so as to produce the best results. As we are continually receiving complaints as to slight repairs being required, a small floating gang was added to the num-

ber at the beginning of operations for the year, to do such work. This has saved much time that would have been lost in moving full gangs from place to place to attend to small repairs. The gang employed in setting new and re adjusting old flag crossings, when not employed in that work is also used in repairing streets.

A large amount of work was done during the year, and the streets kept in tolerably fair condition, yet I have no hesitation in saying that the amount of money appropriated for this purpose is not sufficient, and I recommend that it be increased.

I have repeatedly called attention, in former reports, to the condition of South street, from Baltimore street to Lombard street, and have earnestly recommended that it be repaved with Belgian blocks. The original pavement of asphalt blocks is entirely worn out in many places and has been repaired with cobble stones, making it too rough for comfortable travel, as well as very unsightly for such a public thoroughfare.

I am compelled to call attention again to my often repeated recommendation for the repaving with Belgian blocks, of Light street, from Pratt street to Lee street. There is no street in the City which has a greater daily amount of travel over it than this street. Much of the present Belgian pavment is badly worn, making it difficult and dangerous for travel.

Pratt street, from the bridge over Jones' Falls to Howard street, and Baltimore street, from the bridge

to Paca street, are in the same condition, and require extensive repairs. As it is impossible to do this work out of the usual annual appropriation for repairs of streets, provision should be made to provide for the cost of the work out of that portion of the Five Million Loan set apart for improved pavements.

Before closing this subject, I beg leave to repeat my recommendation of last year that Belgian blocks be substituted for cobble stones on Light street, from Lee street to Montgomery street. The character of the bed of this street is such as to require very extensive annual repairs.

A full statement of the work of repairing streets, with the character and cost of the work, and the quantities of materials used, will be seen on reference to table "D" annexed to this report:

Amount of appropriation		$80,000 00
Amount expended		79,987 72
Number of square feet repaved	2,309,623	
Linear feet of kerbing reset	6,405	
Loads of sand used	22,555	
Perches of stone used	3,162	
Pay of superintendents and laborers		$66,048 00
Cost of materials and tools		10,968 34
Paid for repairs of asphalt pavements		2,970 78

Cost per square foot of repairing streets, $3\frac{23}{100}$ cents.

The bed of Mount Royal avenue was graveled to the depth of 8 inches, and carefully rolled with the steam roller from Druid Hill Park. The gravel used amounted to 77,656 cubic feet, at a cost of $2,249.20, which was charged to the account of repairs of paved streets.

REPAIRS OF UNPAVED STREETS.

The appropriation of two thousand dollars for this purpose was expended upon such portions of the unpaved streets in various parts of the City as absolutely required to be put in better order for safe travel.

SHELLING OF UNPAVED STREETS.

The following streets were shelled during the year, in pursuance of appropriations for the purpose :

Point lane, from Ensor street to Oliver street,	$ 260 02
Ridgley, Warner and Bayard streets	1,000 00
Eastern avenue, from Luzerne street to eastern City limits	300 00
Ferry Point road, from Marshall street to Ferry Bar	300 00
Fulton avenue, from Baker circle to Pennsylvania avenue	1,170 00
Loney's lane and the Philadelphia road	600 00
Leadenhall street, from Stockholm street to Clement street	100 00
North avenue, from Greenmount avenue to Belair avenue	2,500 00

JENKINS' RUN SEWER EXTENSION.

An extension of the Jenkins' run and Carter alley sewer, commencing at North avenue and running north to First street, was directed to be constructed per Ordinance No. 166, approved 29th October, 1889, and the sum of $14,750.00 appropriated to pay for the same. The work was begun on 18th October, 1890.

This sewer starts at North avenue, at the head of the sewer running through Greenmount Cemetery, and runs northerly with the course of Jenkins' run to the centre line of Jenkins street, a distance of about 160 feet, thence along that street to the centre of First street, making a total length of 371 feet.

The section of this sewer from its southern end to Jenkins street, consists of two side walls of stone, 4 feet high and 12 feet apart, supporting a brick arch of 12 feet span. Along Jenkins street and First street it is circular, 10½ feet diameter. At the connection with the old sewer under Greenmount avenue (which is a segment of 18 feet span and 7 feet high), the opening of the new sewer was made 18.8 feet wide, with walls 4 feet high, for the length of 20 feet, in order to allow the discharge of the new sewer to reform and adapt itself to the form of the old sewer.

107 linear feet of side walls have been completed.

102 linear feet of bottom, including repairs to old sewer.

20 linear feet of 18.8 feet brick arch.

50 linear feet of excavation.

BOX SEWERS CONSTRUCTED DURING THE YEAR.

Location.	Feet.		
	Length.	Width.	Height.
Box sewer Federal and Bond streets .	460	3	2
" Federal street.....	120	3	2
" Caroline and Lanvale streets.	20	3	2
" Fayette and Luzerne streets..	100	2	1
" Patapsco street.....	150	3	2
" Loney's lane.....	128	2	1
" Fayette street.....	16	4	4
" Cannon and Townsend streets.	32	6	1
" Fairmount ave. and Burk st..	16	6	1
" Eastern avenue.....	16	3	2

REPAIRS OF GUTTER-PLATES AND WATER WAYS UNDER THE SAME.

Hanover street and Pratt street.
Charles street and Pratt street.
Charles street and North avenue.
Washington street and Biddle street.
Caroline street and Baltimore street.
Charles street and Lombard street.
North avenue and St. Paul street.
Greenmount avenue and Oliver street.
St. Paul street and Centre street.
Myrtle avenue and Mosher street.
Charles street and Preston street.

High street and Hillen street.
Gay street and Monument street.
Aliceanna street and Chester street.
Eastern avenue and Caroline street.
Fayette street and Exeter street.
Eastern avenue and Bond street.
South street and German street.
Lombard street and Howard street.
Calvert street and German street.
Lombard street and Eutaw street.
Gay street and Pratt street.
Wolf street and Canton avenue.

The foregoing constructions and repairs in connection with the repairs of sewers and inlets given in Mr. Kahler's report, and to the inlets given in Mr. Hook's report, which were specially placed in their charge, will be seen further on in this report, and were paid for out of appropriation for repairs of sewers.

The report of Mr. Charles P. Kahler, Assistant City Commissioner, showing the work done in new sewers and repairs of old sewers, is as follows :

I beg leave to call special attention to his remarks as to the dangerous condition of the sewer in John and Mosher streets, and the necessity of its receiving immediate attention.

A. E. Smyrk, Esq.,

City Commissioner.

Sir:

I have the honor to submit the following report, showing the location and nature of the work done during the past year on the various sewers and other works under my charge and supervision.

In commencing this report, I present the accompanying table furnished from the records of the signal office in this City, showing the amount of rain which fell the past year.

TABLE SHOWING NUMBER OF DAYS AND VOLUME OF RAINFALL FOR EACH MONTH FOR THE YEAR 1890.

1890.	Jan.	Febr.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
No. of days	18	14	19	14	18	7	11	19	14	19	12	18	83
No. of inches	1.80	4.80	4.07	3.94	5.98	2.42	3.61	6.44	4.76	5.73	0.74	2.67	46.96

NEW SEWERS AND INLETS.

The work done in accordance with the ordinances and resolution of the Mayor and City Council is as follows:

The several sections of sewers along the line of the Northeast Branch of Gwynn's Run.

Fulton Avenue Section.

This section, 543½ feet long, eight feet nine inches in diameter, which I fully described in prior reports to you, is located in the bed of Fulton avenue, between the west side of Baker circle and the east side of Fulton avenue at Pressbury street.

It has been completed, with the exception of the two inlets at the intersection of Fulton avenue and Pressbury street, which, owing to the heavy fill at that point, cannot be completed until it has thoroughly settled.

Amount of appropriation	$23,500 00
Expended in 1889	17,063 04
	$ 6,436 96
Expended in 1890	1,691 10
Balance	$ 4,745 86

Pressbury Street and Bruce Alley Section.

This section, 775 feet long, eight feet nine inches diameter in Pressbury street, and eight feet diameter in Bruce alley, is located in Pressbury street, between Fulton avenue and Bruce alley, and in Bruce alley, between Pressbury street and North avenue. It has been completed, with the exception of the man-holes and inlets, which cannot be finished until the grading of the streets over it has been done.

Amount of appropriation	$33,500 00
Expended in 1889	16,680 59
	$16,819 41
Expended in 1890	3,782 71
Balance	$13,036 70

Pulaski Street Sewer.

This section, 769 feet in length, eleven feet in diameter between Edmondson avenue and Harlem avenue, and ten feet six inches in diameter between Harlem avenue and Lanvale street, is located in Pulaski street, between the north end of the section under Edmondson avenue and the south end of the section under Lanvale street. It has been completed, with the exception of the man-holes and inlets, which cannot be done until the streets over it have been graded.

Due care has been taken to construct these sections of sewer of the proper capacity, and in the strongest and most substantial manner, with reference both to the present and future needs of this district of the City. They are circular in shape, built in a cradle of stone, laid in hydraulic cement, and where the soil in the bottom of the trench was of a soft and yielding character, on a timber platform.

The invert to the height of one-fourth of the diameter of the sewer consists of blocks of Port Deposit syenite, nine inches deep, laid in Portland cement.

The balance of the invert is of brick, three courses thirteen and one-half inches thick, backed up with a sufficient weight of stone masonry to prevent its giving way or settling.

Amount of appropriation	$45,000 00
Expended in 1889	2,580 61
	$42,419 39
Expended in 1890	31,853 87
Balance	$10,565 52

Franklin and Pulaski Streets Sewer.

Ordinance No. 162, passed October 22d, 1890, authorizes the construction of this section of sewer in Franklin street, from the south side of Franklin street at Smallwood street to Pulaski street, and in Pulaski street from Franklin street, to connect with the section under Edmondson avenue.

The plans for this sewer are prepared and work will be commenced as soon as the season opens.

Sewer for the relief of Maryland Avenue, Mount Royal Avenue, Cathedral and Preston Streets, and Camel Alley and Dolphin Street.

This sewer was constructed in the beds of Maryland avenue, Oliver, Cathedral and Preston streets, from Jones' Falls to Madison avenue.

It is 3,703⅔ feet in length, 342 feet of which in Maryland avenue, from Jones' Falls to within 81 feet of Oliver street, was constructed by tunnel; the balance, 3,361⅔ feet, by open cut. There was also a lateral branch, 700¾ feet in length, constructed from this sewer in Mount Royal avenue and Dolphin street, from Oliver to John street. While this lateral branch was being constructed, an ordinance was passed by the Mayor and City Council to extend it westward in Dolphin street, from John street to Linden avenue, a distance of 1,154 feet, making a total length of 1,854¾ feet for the lateral branch and its extension.

This work was commenced by cutting through twelve feet of solid masonry of the south abutment of Maryland avenue bridge over Jones' Falls.

After the construction of the sewer through this masonry, excavation to the south from this point was commenced by tunnel under Maryland avenue.

At the same time a shaft was sunk in Maryland avenue, about 81 feet north of Oliver street, and excavation by tunnel to the north was commenced and continued until the tunnel from Jones' Falls was intercepted; as soon as a section was excavated the sewer was constructed in it. The deepest part of the excavation for the tunnel was 32 feet, and the shallowest 14 feet below the surface of the street, through filled ground, in consequence of which great care was required in the timbering.

The excavation for the sewer in open cut, the depth of which varied from 9½ to 18 feet, was also commenced at the shaft, and the several sections of sewer constructed in it, in Maryland avenue, Oliver, Cathedral and Preston streets to Madison avenue. A ledge, about 45 feet long, of hard rotten rock, which required blasting, was encountered in the trench in Oliver street, east of Cathedral street.

At the intersection of Oliver and Cathedral streets, a conical section, with a man-hole, was constructed, 13 feet 7 inches long, circular in shape where it connects with the 5 feet section in Oliver street, and elliptical in shape, 9 feet 6 inches wide by 6 feet 4 inches high, where it receives the 5 feet 6 inches section in Cathedral street, and the 3 feet section of the lateral branch in Mount Royal avenue and Dolphin street.

Where the diameter of the sewer changed, conical sections, 6 feet in length, were constructed upon the heavier grade.

There were 10 man-holes at about equal distances apart, and 18 inlets into the sewer built at the different intersections along the line of it.

The following table gives the length, grade and diameter of the various sections of the main sewer :

Sections.	Lengths in feet and inches.	Grades per 100 feet.	Diameter in feet and inches.
No. 1.....	4 9	2 09	5 9
Curve.....	23 11	2 09	5 9
	402 0	2 09	5 9
Curve.....	47 1	3 38	5 9
No. 2.....	414 7	3 38	5 0
Conical	13 7	1 50	5 6
		(6 04	9 6)
Curve.....	37 9	1 50	5 6
No. 3.....	705 1	1 00	5 6
Curve.....	54 6	1 50	5 6
No. 4.....	229 10	2 60	4 0
No. 5.....	429 0	3 09	3 6
No. 6.....	599 6	1 00	4 4
No. 7.....	388 0	1 70	3 6
No. 8.....	354 1	1 70	3 0
	3,703 8		

The lateral branch, 3 feet in diameter, was constructed 16½ feet in Mount Royal avenue, from the opening left in the conical section at the intersection of Cathedral and Oliver streets for it, to a cast-iron invert, six feet long, having a cast-iron arch-collar, 2 feet long, fitting on it, made to a diameter of 4 feet, above which a stone shaft, 4 feet square, was constructed with a man-hole over it to the height of 7 feet. From this shaft the 3 feet lateral branch was constructed in Mount Royal avenue and Dolphin street to the west side of John street. By the construction of this shaft, 7 feet of excavation in the bottom of the trench was saved in Mount Royal avenue and part of Dolphin street.

There were two man-holes at about equal distances apart, and four inlets into the sewer, built at the different street intersections.

The extension of the lateral branch in Dolphin street from the west side of John street to Linden avenue is also completed.

There were seven man-holes and ten inlets into the sewer built at the different street intersections.

The following table gives the length, grade and the diameter of the various sections of the lateral branch and its extension :

Sections.	Lengths in feet and inches.	Grades in per 100 feet.	Diameter in feet and inches.
No. 1.....	16 6	3 00	3 0
"	6 0	3 00	4 0
"	678 3¼	3 00	3 0
No. 2..	376 6½	3 035	2 9
"	403 10¼	3 624	2 9
No. 3.....	144 2	3 964	2 0
"	30 10	3 403	2 0
No. 4.....	198 7½	3 403	1 8
	1,854 9½		

With the exception of a few inlets which will be completed during the coming season, the work on this sewer and its lateral branches has been completed.

Its construction furnishes relief to a district of the City that has long suffered from being flooded by only an average rain, and whenever an extraordinary one has occurred, considerable damage has been done in it.

The intersections of Maryland avenue and Oliver street, Preston and Cathedral streets, Preston street and Park avenue, Preston street and Mason alley, Preston street and Linden avenue, Preston and Eutaw streets, Preston street and Madison avenue, along the main sewer, and Dolphin street and Mt. Royal avenue, Dolphin and John streets, Dolphin street and Park avenue, Dolphin and Bolton streets, and Dolphin street and Linden avenue, along the lateral sewer and its extension, have all been re-adjusted, and the gutters across these intersections, which in freezing weather were dangerous and a source of trouble and expense to the City, were removed.

Amount of appropriation	$85,000 00
Expended in 1889	21,552 62
	$63,447 38
Expended in 1890	52,893 15
Balance	$10,554 23
Amount of appropriation for the extension of the lateral branch in Dolphin street	$12,000 00
Expended in 1890	11,930 52
Balance	$ 69 48

Eutaw and Fremont Street Intercepting Sewer.

This sewer is being constructed in the beds of Eutaw and Fremont streets, from the Middle Branch of the Patapsco River to intercept the Chatsworth Run sewer at the intersection of Fremont street and Columbia avenue. It will be about 3,650 feet long, varying in size from 12 feet wide by 8 feet high at its mouth, to about 7 feet diameter at its head, with a grade of 6 inches per hundred feet.

As the original shore line was formerly at what is now the south side of Ostend street, about 200 feet north of the present one, all the ground between these points had been filled in. It was therefore necessary, in order to get a secure foundation on which to construct the sewer, to drive for a distance of 194 feet, 325 piles, to an average depth of 23 feet below the grade of the sewer, the greatest depth being 33 feet at its mouth.

The foundation of the first section, which is 537 feet long, consists of five rows of 12x12 inch timber sills, laid parallel with the centre line of the sewer and resting on the piles to which they were bolted, as far as driven. The balance was laid on the ground to the end of this section, which is about the centre of Stockholm street, when the character of the earth was found to be sufficiently firm to sustain the sewer without timbering.

The timber flooring, 20 feet long by 12 inches wide and 6 inches thick, was laid on these sills and bolted thereto ; on this floor the two stone abutments were built, 12 feet apart, each being 4 feet thick and 4 feet high to the spring line of the arch.

The arch is elliptical in shape, built of brick, three rings, thirteen and one-half inches thick, with a rise of four feet, and is backed up with sufficient stone masonry to prevent its giving way or settling.

As the bottom of the sewer at its mouth is below mean tide, it was necessary to construct a coffer-dam and to keep a steam pump going almost constantly, in order to get the foundations in.

In putting in the foundation at the mouth of the sewer, a double row of sheet piling was driven to the depth of about twenty-four feet below mean tide, across the front to the outside of the wings, and also returned on each side for the distance of twelve feet.

The abutments and arch of the sewer at its mouth are of cut granite, with wings and parapet wall showing on the face a total width of twenty-seven feet three inches by ten feet two inches high.

Extra precautions were taken in the construction of the sewer where it passes under the Baltimore and Ohio Railroad tracks, in Ostend street, to Locust Point, and the tracks across Eutaw street to Camden Station ; four extra sills were placed in the foundations, and

the abutments and backing were carried to a sufficient height to support the wrought iron beams placed by the Baltimore and Ohio Railroad Company under their tracks, clear of the arch, to prevent the weight and jar of the heavy trains passing over from affecting it.

The second section is circular in shape, nine feet three inches in diameter, and is connected with the first section by a conical section fifteen feet long. It extends in Eutaw street eight hundred and seventy-five feet eight inches to the end of the curve at the intersection of the west curb line of Eutaw street with Fremont street; this curve is fifty-four feet long, and has a radius of sixty feet.

On the north side of this curve, about the centre of it, a circular junction, six feet in diameter, was constructed, from which it will be necessary in the future to construct a sewer in the bed of Eutaw street, to relieve that street from the heavy flow of water which is now discharged from it into the Howard street sewer.

The third section is circular in shape, eight feet nine inches in diameter, and is connected with the end of the curve of the second section by a conical section, eight feet long. It extends in Fremont street from the west side of Eutaw street five hundred and eighty-seven feet four inches to the intersection of Fremont and Hamburg streets, one hundred and five feet of which remains to be completed.

The excavation of the trench for the different sections required careful timbering on account of the depth to which it had to be carried, the maximum in Eutaw street being twenty-two feet six inches below the surface and sixteen feet wide, and also on account of the character of the soil.

Openings for inlet connections were left wherever necessary at all the street intersections. There are six man-holes at about equal distances apart, and four inlets into the sewer completed ; one of these inlets in Ostend street has one hundred and thirteen feet of cast-iron pipe, twenty inches in diameter, laid in that street, to connect it with the sewer.

All the sections of this sewer, except the first, which has been described, are circular in shape, and where necessary, have been built in a cradle of stone; where the soil in the bottom of the trench was found to be of a suitable character it was trimmed to the shape of the outside of the invert ; on these, blocks of Port Deposit syenite, nine inches deep, six inches thick, and twelve inches long, were laid, in a bed of the best Portland cement, to the height of seven thirty-seconds of the diameter of the sewer ; the balance of the invert is of brick, two rings, nine inches thick. The arch is of brick, three rings, thirteen and one-half inches thick, backed up with a sufficient weight of stone masonry to prevent its giving way or settling.

Two large gas mains, one twenty and the other twenty-four inches in diameter, and some smaller pipes, were encountered in the trench at the intersection of Fremont, Hamburg and Warner streets, and caused complete stoppage of work on the sewer until they were removed or adjusted to meet the requirements of the sewer.

Amount of appropriation	$175,000 00
Expended in 1889	9,418 99
	$165,581 01
Expended in 1890	67,427 95
Balance	$ 98,153 06

Penn Street Sewer.

This sewer, which is to be constructed from the present Chatsworth Run sewer in the intersection of Fremont street and Columbia avenue in the bed of Penn street, as it is to be condemned and opened from this intersection to Haw street, and also in the bed of Penn street, as already opened from Haw street, north, to connect with the newly constructed portion of Chatsworth Run sewer, between Portland and Dover streets, and also the connection of the Fremont street sewer with the above described sewer, cannot be commenced until the condemnation proceedings in connection with the opening of Penn street have been completed, as well as the new intercepting sewer in Eutaw and Fremont streets.

Jenkins' Run Sewer.

This sewer, when completed, will extend in the present bed of Jenkins' Run, from the opening in the east wall of Jones' Falls, north of the Preston street bridge, until it intercepts Carter alley, thence northerly in Carter alley where it will connect with the present sewer in the bed of said alley at the north building line of Federal street.

Where necessary, the excavation for this work was carried down until material of a character sufficiently firm to sustain the foundation for the abutments was found, in some places to the depth of as much as four feet below the grade line.

The first, or lower section, from the falls to the culvert under the Union Railroad tracks, is 290¼ feet long, with a grade of $1\frac{55}{100}$ feet per hundred feet, and has been completed. It is fifteen feet wide between the two stone abutments ; these are four feet three inches thick and carried up to the spring of the arch, five feet above the centre grade line of the bottom of the sewer.

The bottom is somewhat in the shape of an inverted arch, with a rise from the centre of nine inches to the abutments on each side, it is of blocks of Port Deposit syenite, six inches thick, nine inches in depth and varying in length from twelve to eighteen inches, laid solid in a bed of Portland cement. Where soft mate-

rial was encountered in the bottom, it was removed and the bottom filled with concrete, on which the blocks were laid.

The arch is of brick, three rings, thirteen and one-half inches thick, with a radius of seven feet six inches, backed up with sufficient masonry to sustain it.

There are three curves in this section ; the first is $42\frac{1}{3}$ feet long, the second is 17 feet long, each having a radius of 75 feet ; and the third is $61\frac{1}{6}$ feet long, with a radius of $40\frac{7}{10}$ feet. On the east side of this section, near its junction with the culvert under the Union Railroad, an opening was left, four feet in diameter. This connects with a cast-iron invert, six feet long, having a cast-iron arch collar, two feet long, fitting on it, made to a diameter of four feet, above which a shaft four feet square, of stone masonry, was constructed. This shaft is intended to receive the water from a sewer, which it will be necessary to construct to relieve the intersection of Greenmount avenue and Hoffman street from flooding.

The stone culvert under the Union Railroad, 30 feet long, with a grade of $1\frac{5}{10}\frac{5}{0}$ feet per hundred feet, at the end of the last section, is twelve feet wide and ten and one quarter feet high and had a heavy timber bottom ; this was removed and the abutments under-pinned where necessary. The accummulation of soft material in this bottom was removed and the space filled in with concrete, on which the new stone block bottom was laid,

similar to that in the first section. A stone flag, three feet wide by five feet long, was laid under the twenty inch iron drain pipe, which is constantly discharging a steady stream of water from the Union Railroad tunnel.

The second, or upper section, has been completed from the north end of the culvert under the Union Railroad to the beginning of the last curve at Carter alley, a distance of 405¼ feet. The block bottom and a portion of the abutments of the curve, which is 52 feet long, from Jenkins' Run into the bed of Carter alley, have been completed. Excavation in the bed of Carter alley for a distance of 50 feet has been made.

This section is similar in construction to the first section. It is ten feet wide between the two stone abutments ; these are three feet six inches thick and carried to the spring line of the arch, which is five feet two and one-half inches above the centre grade line of the sewer.

The bottom has a rise of six inches to the abutments on each side.

The arch is of brick, three courses, thirteen and one-half inches thick, with a radius of five feet, backed up with sufficient masonry to sustain it.

There are three curves in this section. The first is 25 feet, the second 26 feet, and the third, at the junction of Jenkins' Run and Carter alley, is 52 feet long, each having a radius of 60 feet.

The grade of Jenkins' Run, from Carter alley to the culvert under the Union Railroad, being $4\frac{42}{100}$ feet per hundred feet, a system of drops or overfalls, five in number, were built to check the velocity of the daily flow of water, the force of which on such a grade would have been too great for the bottom of a sewer of such size and capacity to withstand. The first of these drops is 130 feet from the beginning of this section and rises two feet three inches; the second, 74 feet from the first, is under the old Belvidere culvert and rises two feet six inches; the third, rises two feet six inches; the fourth, rises two feet six inches and the fifth rises two feet one and three quarters inches, being each 66 feet 2 inches from the one preceding. These drops are constructed as follows: three large flags, ten inches thick, are laid on a solid foundation across the bottom of the sewer abutting each other, their top surface being set to the grade of the sewer. At their upper end a wall is built on which a large flag, three feet wide, twelve feet long by ten inches thick, is laid, the surface of which is set to the height of the upper grade, from which the water falls to the three flags set on the lower grade above mentioned.

Rock was encountered in this section, and for a distance of about 175 feet in length by eighteen feet in width, had to be blasted out, in some places to the depth of six feet.

On the east side of the second section, near its beginning at the culvert under the Union Railroad, two

openings were left, four feet wide and five feet high, and the stone culvert from Greenmount Cemetery connected with the first, and the sewer from the inlet at the intersection of Greenmount avenue and Hoffman street with the second. Over the last opening, which is constructed somewhat similar to the one described in the first section, the walls were carried up for a man-hole. On each side of the old Belvidere road cast-iron pipes, twenty four inches in diameter, were built in the east abutment wall, to receive the drainage from Greenmount avenue.

There remains about 475 feet of this sewer to be completed.

A correct idea of the difficulties and dangers which attended the construction of this work, can only be formed by seeing the location. The stream ran through a narrow, rocky channel, a considerable portion of which had to be blasted, the water in even an average rainfall rising suddenly and flooding the whole of it, often undoing the work done the day before, in consequence of which every effort was made to construct the work in the strongest and most substantial manner.

Amount of appropriation	$58,000 00
Expended in 1889	3,676 77
	$54,323 23
Expended in 1890	29,664 65
Balance	$24,658 58

Eager Street Sewer.

This sewer begins at the east side of Jones' Falls thirty-six feet south from the Eager street bridge. It is constructed through the Northern Central Railroad Company's property to the intersection of Eager and Buren streets, thence in Eager to Valley street, in Valley to Chase street, in Chase to Ensor street and 168 feet north in Ensor street; when completed it will extend in Ensor to Biddle street, a total distance of about 3,005 feet.

To construct a sewer in the bed of Eager street, from Jones' Falls to Buren street, would have necessitated the cutting through the solid masonry of the east abutment of Eager street bridge, and the two abutments of the east bridge over the Northern Central Railroad tracks; therefore permission was obtained from the Railroad Company to construct the sewer through their property south of Eager street from Jones' Falls to the intersection of Buren and Eager streets.

Beginning at a point ten feet above the bed of Jones' Falls in the east retaining wall, which was cut through, a section of sewer four feet in diameter, with a grade of three feet per one hundred feet, was constructed for the distance of forty-two feet three inches to a cast iron invert six feet long with a cast iron arch collar, both made to a diameter of four feet; above these a shaft of stone masonry was constructed to a point four feet three and one-half inches above the bottom of the invert.

From this point the sewer was continued of the same size and grade for the distance of ninety-six feet six inches to a point under the west sidewalk of Buren street, to another cast iron invert and shaft, the same as the last, built to a point eight feet above the bottom of the invert; from this point the sewer was still continued of the same size and grade for the distance of twenty-four feet to another invert and shaft, the same as the first, built to a point five feet nine inches above the bottom of the invert to a point about ten feet below the surface of Eager street. Above each of these shafts a man-hole was built to the surface.

The necessity for the construction of this portion of the sewer, in the manner above described, arose from the fact that for the distance of one hundred and sixty-two feet nine inches, the fall was twenty-two feet. This was too great for any material except iron to withstand.

The sewer was then constructed from the last mentioned stone shaft, in the bed of Eager and the other streets as heretofore described.

A ledge of hard rotten rock, about one hundred and seventy-five feet in length, was encountered in the bottom of the trench, a considerable portion of which had to be blasted. The excavation for the trench varied in depth, fron nine and one-half to twenty feet, some portions of which was through made ground, with a water main twenty-four inches in diameter, three feet south

of the south side of the trench in Eager street. In consequence of these conditions and also on account of having to pass through the Northern Central Railroad Company's property, partially through made ground, under their tracks and the Western Maryland Railroad Company's tracks, over which trains were constantly passing, it was necessary therefore to timber these trenches in the most careful manner to prevent accident. Openings were left at the intersections of all the streets with which to connect the inlets.

The sewer is circular in shape; where it was necessary it was built in a cradle of stone; the invert to the height of one-fourth of the diameter is of granite blocks laid in Portland cement; the balance of the invert and the arch are of bricks, two rings nine inches thick, all laid in the best hydraulic cement.

Ten man-holes at about equal distances apart and eight inlets into the sewer have been built. There still remains some of the inlets and about one hundred and ninety-seven feet of this sewer to be completed.

The intersections of Eager street and Greenmount avenue, Eager and McKim streets, and Eager and Valley streets have been re-adjusted and the gutters across these intersections, which in freezing weather were dangerous and a source of trouble and expense to the City, were removed.

The following table shows the lengths, diameters and grades of the various sections of this sewer, as far as constructed.

Sections.	Lengths in feet and inches.	Diameter in feet and inches.	Grades per 100 feet.
No. 1	93 3½	4 0	3 0
Curve	8 9	4 0	3 0
	60 8	4 0	3 0
	49 5½	4 0	2 714
Curve	15 6½	4 0	2 714
	496 5½	4 0	2 714
No. 2	300 0	5 0	0 5
No. 3	258 0	4 3	0 5
No. 4	370 11¾	3 3	2 246
Curve	47 3	3 3	3 155
No. 5	487 10½	3 0	3 155
Curve	47 3½	3 0	3 155
	357 3½	3 0	1 962
Curve	47 3½	3 0	1 962
	168 0	3 0	1 962
Total	2,808 0¾		

Amount of appropriation	$53,300 00
Expended in 1889	5,957 15
	47,342 85
Expended in 1890	35,313 86
Balance	$12,028 99

Howard Street Sewer.

This sewer is being constructed in the east side of Howard street, and when completed will extend in that street, from the present sewer in Lexington street to the north side of Mulberry, a distance of about nine hundred feet.

In order to connect the new sewer with the old one, four feet six inches in diameter, in Lexington street, it was necessary to first temporarily change the connection of the inlet at the northeast corner of Lexington and Howard streets with the sewer in Lexington street. This was done by laying thirty-six feet of cast-iron pipe twenty inches in diameter from the inlet to an opening in the old sewer a few feet east of the new conical section, which it was necessary to build for the connection of the new sewer.

This conical section is eleven and a-half feet long, circular in shape, four feet six inches in diameter at the east end, where it connects with the old sewer, and elliptical in shape, nine feet wide by five feet two inches high at the west end, where it receives the old sewer from the west side of Lexington street, and the new sewer four feet in diameter from Howard street.

Much trouble attended the construction of this conical section owing to the great flow of water which had to pass through it, whilst it was being constructed, from the old sewer, into which the water from street drainage and numerous drain pipes and elevators discharged.

From this conical section the new sewer four feet in diameter was constructed, tangent to it for a distance of ten feet nine inches, thence by a curve with a radius of twenty feet, for a distance of twenty-two feet nine inches into Howard street. From this point north one hundred and seventy-three feet of the sewer has been completed.

In making the excavation in Howard street for the sewer, it was found that several drain pipes, all discharging water from elevators, were laid exactly in the line of the trench in which the sewer was to be constructed. Believing the trouble and expense attending the construction of the sewer with the water flowing in the trench greater than I was justified in permitting, after careful consideration, I decided to lay an intercepting pipe from Messrs. Chas. Simons & Sons' pipe, at Clay street, which is west of the line of the sewer, to a point north of Clay street, and connect all the drains which were in the way of the sewer with it.

This was done and has worked successfully.

Two of these drains are laid almost on a level, from where they connect with the old sewer to their heads; in consequence of which, I was compelled to lay a pipe in a bed of concrete in the trench on the east side of the sewer about the same grade as the old pipes, so that when their heads are reached, they can be connected with it, as they are lower than the bottom of the sewer will be, which has a grade of five-tenths of a foot per one hundred feet.

This only represents one of the many evils attending the granting permits for the indiscriminate laying of any number of drain-pipes in a street, where one pipe, if properly laid, would better meet all the requirements, and be more economical both for the City and the individual.

The section of sewer now being constructed is circular in shape, four feet in diameter, the invert is of brick two rings nine inches thick, the outer one laid in good domestic hydraulic cement, and the inner one laid in the best Portland cement, the arch is of brick two rings nine inches thick, laid in good hydraulic cement.

Owing to the difficulties encountered, some of which are above described, the progress of the work has been slow; at the present time, owing to the cold freezing weather, the work is practically suspended.

Amount of appropriation	$16,000 00
Expended in 1890	4,108 79
Balance	$11,891 21

Carey and Calhoun Streets Relief Sewer.

The construction of the *first* and *second* sections of this sewer has been commenced.

The first *section*, about 2,440 feet long with a grade of 1,982 per one hundred feet, will be seven feet in diameter, constructed in open cut, and will begin at a

point in the old Schroeder's Run sewer in Carey street south of Ramsay street, and extend north in Carey street to Ramsay street, west in Ramsay street to Calhoun street and north in Calhoun street to the north side of Baltimore street, the beginning of the second section.

Work on the first section was commenced by making an excavation in Carey street, and opening the old Schroeder's Run sewer in order to construct a new connection, about one hundred and twenty-two feet long for the old Carey street sewer, which will extend in Carey street from this opening, and connect with said old sewer about the north building line of Ramsay street.

The foundations and abutments or sidewalls have been built, the block bottom has been laid, and a cast-iron arch collar for the connection has been set in place, but owing to the extreme cold weather, work for the time being is suspended, otherwise the brick invert and arch would have been completed. The new sewer will be connected at about the south building line of Ramsay street, with that portion of the old Carey street sewer, which has been cut off from it by the new connection heretofore described.

Otherwise, it would have been necessary to have torn out the present sewer in Carey street, from where it discharges into the old Schroeder's Run sewer to Ramsay street, and constructed a section of sewer ten

feet in diameter in Carey street, from the old Schroeder's Run sewer to Ramsay street, into which the old Carey street sewer and the new relief sewer would discharge. As the bottom of the old Carey street sewer and of the Schroeder's Run sewer had been constructed so close to the surface of the street as would not have furnished sufficient head-room to have constructed a section of such a diameter without raising the bed of Carey street considerably, and also on account of the greater cost of the larger section, the plan for the sewer as now being constructed was adopted.

By this means, each sewer will have a separate and distinct connection with the Schroeder's Run sewer which is fourteen feet wide by eight feet high.

The *second* section, which is being constructed in tunnel, about 1,850 feet long, with a grade of one foot per one hundred feet, is six feet six inches in diameter, and will extend in Calhoun street from the end of the first section at the north side of Baltimore street to Franklin street.

Work on this section was begun by sinking Shaft No. 1, in Calhoun street, sixty-six feet north of Baltimore street, the dimensions of which are sixteen feet long by ten feet wide, to a depth of twenty feet to the bottom of its sump.

The bottom, sides and ends were lined with stone masonry. At this shaft, a hoisting engine worked by horse power is in operation. South of the shaft, the

sewer has been constructed for a distance of twenty-four feet, and north of the shaft for a distance of about forty-six feet. At a distance of six hundred and seven feet two inches from Shaft No. 1, Shaft No. 2 has been sunk of the same dimensions to a depth of thirty feet three inches to the bottom of its sump; the sides and ends of which are lined with stone masonry. Excavations to the north and south from the shaft have been commenced, as well as the stone and brickwork for the sewer.

At this shaft, a boiler and steam hoisting engine have been placed in position, and two elevators have been placed in the shaft by which material may be raised or lowered in the shaft.

The sections of sewer will be circular in shape, the invert to the height of one-fourth of the diameter will consist of blocks of Port Deposit syenite nine inches deep by six to eight inches wide and twelve to fourteen inches long, laid in Portland cement.

The balance of the invert will be of brick, two rings nine inches thick; the arch will be of brick three rings thirteen and one-half inches thick, backed up with a sufficient weight of stone masonry to prevent its giving way or settling, all laid in good domestic hydraulic cement.

In the second or tunnel section, the space between the arch and the timbers will be packed solid with bricks or stone laid dry.

Work on these sections will be prosecuted as rapidly as possible.

The construction of the other sections and the lateral branches of this sewer will follow upon the completion of the two above described sections.

Amount of appropriation	$275,000 00
Expended in 1890	7,222 40
Balance	$267,777 60

Eden Street Sewer.

The plans and specifications for this sewer, which is to be constructed in the bed of Eden street from the City Dock to Eastern avenue, are all prepared, and the work will be done during the coming season.

Lovegrove Alley Sewer.

This sewer, which is to extend in Lovegrove alley from Adam's alley to First street, cannot be commenced until the condemnation proceedings of Lovegrove alley from Adam's alley to First street have been completed.

Bush Street Sewer.

This sewer, which will be constructed in the beds of Bush, Calhoun, Herkimer and Wooster streets, from the Spring Gardens to connect with the Schroeder's Run sewer, at the foot of Carey street, cannot be commenced until the right of way has been secured by the City either by deed or condemnation.

Light Street Sewer and Cross Street Sewer.

In consequence of legal difficulties attending the construction of the Light street sewer into Light street wharf at Lee street, the ordinance for this sewer was repealed. You instructed me to examine this district and suggest another route for this sewer. In accordance with these instructions, I carefully examined the various sections of the district, and suggested that a sewer be constructed in tunnel, in Cross street westerly from the waters of the northwest branch of the Patapsco river to Light street, with lateral branches, one south in Light street from Cross to West street, and the other north in Light street from Cross street to Warren avenue.

This plan met with your approval and was adopted, and the ordinance was passed to construct it in accordance with this plan.

The construction of this work was placed in other hands.

The following resolutions of the Mayor and City Council, authorizing the trapping of old inlets, were carried out:

Resolution No. 51, of April 17th, 1889, to trap the two inlets at the northwest corner of Baltimore and Carey streets.

Amount of appropriation	$300 00
Expended	125 13
Balance	$174 87

Resolution No. 52, of April 17th, 1889, to trap the inlet in the south side of Franklin street between Carey and Calhoun streets.

Amount of appropriation	$100 00
Expended	99 99
Balance	$ 01

Resolution No. 138, of May 28th, 1890, to trap the four inlets at the intersection of Fayette and Arch streets.

Amount of appropriation	$1,050 00
Expended	1,045 58
Balance	$ 4 42

Resolution No. 73, of April 3d, 1890, to trap the inlet at the northwest corner of Central avenue and Watson street.

Amount of appropriation	$350 00
Expended	274 36
Balance	$ 75 64

Resolution No. 29, of March 15th, 1889, to trap the inlets at the intersection of Lanvale and Calhoun streets.

Amount of appropriation	$482 15
Expended	141 80
Balance	$340 35

Resolution No. 28, of March 15, 1889, to trap inlet at southeast corner of Lexington and Arch streets.

Amount of appropriation	$165 62
Expended	5 40
Balance	$160 22

Resolution No. 23, of March 12, 1889, to trap inlet on west side of Broadway near Thames street.

Amount of appropriation	$129 79
Expended	2 50
Balance	$127 29

Resolution No. 54, of April 20th, 1889, to trap inlets at the intersection of Broadway and Thames streets and Broadway and Lancaster streets.

Amount of appropriation	$94 36
Expended	92 38
Balance	$ 1 98

Repairs of Sewers and Inlets.

In consequence of the limited amount annually appropriated for repairs of sewers, only the most needed repairs can be done.

This requires a careful examination of the sewers, more especially the older ones, in order to ascertain where the most needed repairs are required to prevent accidents.

Although during the past year there were some severe rain storms, from the precautions taken only three bad breaks occurred; these were in the old Chatsworth Run sewer, and were discovered before any injury was done to property.

About twenty-five feet of the stone bottom, west abutment and arch of Chatsworth Run sewer in Arch street, between Fayette and Vine streets, were washed out.

A part of the arch, abutments and bottom in the northwest branch of the same sewer, which runs under private property, between Fayette and Vine streets, were washed out.

About twenty-five feet of the stone bottom, west abutment and arch in Penn street, between Portland and Dover streets, were washed out.

These places, if they had not been discovered in time by the plan adopted by this department in connection with this character of work, would have caused serious damage to the City and private property.

These places have all been properly repaired.

The old stone sewer in McMechen street from John street to Morris alley, a distance of 1750 feet, has had a large amount of repairs.

This is an old stone sewer, poorly constructed, and entirely inadequate to discharge the large volume of

water from the district which it drains. In consequence of these conditions a constant watch has to be kept over it, as it is liable to give way at any time during a heavy rain storm.

There were numerous repairs of minor importance done to the various sewers and inlets placed under my charge, the locations of which are shown in the following table:

Broadway sewer, between Lancaster and Thames streets.

McMechen street sewer from John street to Morris alley.

Inlet Pennsylvania avenue and Dolphin street.

Inlet Barnes and McDonogh streets.

Inlet Pratt street and Long Dock.

Inlet Central avenue and Fawn street.

Inlet Pratt and Light streets.

Inlet Pennsylvania avenue and Townsend street.

Inlet Central avenue and Watson street.

Inlet Central avenue and High alley.

Inlet Central avenue and Allens alley.

Inlet Baltimore and Carey streets.

Inlet Eastern avenue and Albemarle street.

Inlet Eastern and East Falls avenues.

Inlet Central avenue and Baltimore street.

Inlet No. 633 Vine street.

Inlet Gay street, north of bridge.

Inlet No. 1649 Barnes street.

Inlet Arch and Fayette streets.

Inlet Arch and Raborg streets.
Inlet Hammond alley and Albemarle street.
Inlet Central avenue and Hollins street.
Inlet Shields alley and Hoffman street.
Inlet Lombard and Schroeder streets.
Inlet Charles and Camden streets.
Inlet Jefferson street and Central avenue.
Inlet Carlton near Saratoga street.
Inlet Barnes and Ann streets.
Inlet Granby street and Central avenue.
Inlet Central avenue and Holland street.
Inlet Burke and Monument streets.
Inlet Lombard and Hanover streets.
Inlet No. 1307 Jefferson street.
Inlet Central avenue and Fayette street.
Inlet Pratt and Fremont streets.
Inlet Gough and Register streets.
Inlet Central avenue and Albemarle street.
Inlet Central avenue and Baltimore street.
Inlet Central avenue and Orleans street.
Inlet Central avenue and May street.
Inlet Central avenue and Jackson street.
Inlet Central and Canton avenues.
Inlet Holliday and Saratoga streets.
Inlet Calvert and Saratoga streets.
Inlet Greenmount and North avenues.
Inlet Carter alley near Townsend street.
Inlets Broadway and Lancaster street.
Inlet Gay and Pratt streets.
Inlet Pratt and Calvert streets.

Inlet North avenue near Park gate.

Inlet Pratt and Cheapside streets.

Inlet North avenue and Oak streets.

Chatsworth Run sewer, between Pratt and Portland streets.

Chatsworth Run sewer, between Lexington and Fayette streets.

Inlet Franklin and Woodyear streets.

Inlet No. 1055 west Lexington street.

Schroeder's Run sewer, Carrollton avenue and Saratoga street.

Inlet Arlington avenue and Pratt street.

Inlet No. 1030 Vine street.

Inlet May street and Central avenue.

Pennsylvania avenue sewer, Orchard street near Pennsylvania avenue.

Inlet Light and Pratt streets.

Inlet Lafayette avenue and Calhoun streets.

Inlet Dallas and Chew streets.

Inlet Eden and Jefferson streets.

Inlet Broadway and Aliceanna street.

Inlet Eager and North streets.

Inlet Madison and North streets.

Inlet Fayette and Exeter streets.

WORK NECESSARY TO BE DONE ON REPAIRS OF SEWERS.

In some locations steam pipes exhaust into the sewers. In other cities it is prohibited.

Stringent laws should be passed prohibiting this, and, wherever such is the case, their removal should be

ordered, as it has been found that heated steam causes the cement in the joints to disintegrate, besides causing the quicker decomposition of the matter deposited in them. In the present condition of some of the sewers I have found it almost impossible to enter them for inspection, or have the men remain for any length of time in them to do the needed repairs.

More or less repairs will be required in all the old sewers, from the constant wear on them, on account of the heavy flow of water discharging through them.

I would also again call your attention to the dangerous condition of the John and Mosher streets sewer, which discharges the water from the McMechen street and Druid Hill avenue sewers. It is about nine hundred and seventy feet long.

The bottom of the brick invert is fast wearing out, holes already being cut in it.

It should be replaced by one of stone, laid in Portland cement. The difficulty and expense attending the repairs of this sewer will be considerable, from the fact of its being at such a great depth below the surface of the streets, and having a constant flow of water through it, as well as the danger of the sudden rise of the water in time of rain.

I would suggest that a special appropriation be made for the work on this sewer.

In the old Central avenue sewer for the distance of about four hundred and sixty feet north from the point where the Eden street sewer connects with it, at the intersection of Holland street and Central avenue, the bottom is paved with cobble stones and is somewhat lower than the above-mentioned connection, in consequence of which all the sediment from the upper section of the Central avenue sewer is deposited in it, forming a cesspool of filth, dangerous to health, requiring constant cleaning out, which is a source of complaint from the Health Department.

PROPOSED NEW SEWERS.

In accordance with orders received from you, I have examined the several districts of the City in which sewers are most needed for the relief from storm-water or for sanitary or other purposes.

The following are the locations of these districts, and plans proposed:

An intercepting sewer for the relief of the district drained by the McMechen street and Druid Hill aveuue sewer, and for the relief of North avenue, west of Mount Royal avenue.

The plan proposed for the relief of this district and also for North avenue west of Mount Royal avenue, in which the volume of water each year is increasing, as the streets in the section north of it are opened and built upon, is to construct a sewer from a point on the

west side of Jones' Falls, just north of the North avenue bridge, through the Northern Central Railroad Company's property, who will grant permission for the same, to a point in North avenue, between the west abutment of North avenue bridge and the railroad tracks crossing North avenue; thence west in North avenue to Park avenue; thence in tunnel in Park avenue to Laurens street, and in Laurens street to Druid Hill avenue, intercepting the Druid Hill avenue sewer at the intersection of these streets.

This will entirely relieve the district drained by the Druid Hill avenue sewer from the floods which it is at times subject to. It will drain North avenue and all the district north between it and Druid Hill park, which now drains into North avenue, and which district in a few years will be built up.

Sewer for the Relief of Charles Street, north of Lanvale Street.

The plan for this is to construct a sewer from Jones' falls, through the Northern Central Railroad Company's property, permission for which will be granted by the Company, west of Charles street, to the intersection of Charles and Lanvale streets, and from there northwardly in Charles street to the north of North avenue, towards Huntingdon avenue. Charles street, even in an average rain, is impassable to pedestrians, and during extraordinary rains it has washed over the side-

walks at Charles and Lanvale streets, sometimes tearing them out, and flooding the Northern Central Railroad Company's property.

Section of Schroeder's Run Sewer, north of Pratt Street and east of Carrollton Avenue.

This section of the old Schroeder's Run sewer, from Pratt street to Saratoga street, with the exception of a section in Schroeder street, between Baltimore and Lombard streets, is entirely under private property. It is an old stone sewer, in a very bad condition, and entirely inadequate to discharge the water of the district.

Arlington avenue should be condemned and opened from Fayette to Lexington street. A sewer should then be constructed from the present Schroeder's Run sewer in the intersection of Arlington avenue and Pratt street, in the beds of the following named streets: In Pratt to Schroeder street, in Schroeder to Fayette street, in Fayette street to Arlington avenue, in Arlington avenue to Saratoga street, to connect with the present sewer in the intersection of Saratoga street and Carrollton avenue. This would remove the sewer entirely from under private property, enhancing its value, and relieving it of a nuisance which should have been removed long since, at the same time relieving the City of the constant trouble and expense which it has been subjected to on account of this sewer.

Sewer for the Relief of Read Street, from Jones' Falls to Cathedral Street, and Madison Street and Eager Street west of Morton Alley.

The plan proposed is to construct a sewer in Read street, from Jones' Falls to the west side of Cathedral street with two lateral branches, one north in Morton alley to Eager street, the other south in Morton alley to Madison street.

Sewer for the Relief of McHenry Street, from Gwynn's Run East to Pulaski or Payson Street.

The plan proposed is to construct a sewer eastward in the bed of McHenry street to Pulaski or Payson street, as may be deemed best.

Sewer for the Relief of Eagle Street, between Fulton Avenue and Monroe Street.

A sewer is needed for the relief of this street from flooding, but until some provision has been made for the City to acquire either by deed or condemnation the beds of some of the streets south of it nothing can be done.

Unless permission can be obtained from the Baltimore and Ohio Railroad to construct a section of sewer through their property at the foot of Fulton avenue, parallel with their brick sewer now discharging into Carroll's Run, this sewer is entirely inadequate to

discharge the volume of water from this district, in consequence of which it flows over the surface of the streets and the railroad tracks into Carroll's Run.

From this new section continue the sewer north in Fulton avenue to Wilkens avenue, with a lateral branch west in Eagle street to Monroe street, and north in Monroe street to Wilkens avenue.

CHESAPEAKE AND POTOMAC TELEPHONE COMPANY.

Ordinance No. 41, of May 9th, 1889, of the Mayor and City Council of Baltimore, grants permission to the Chesapeake and Potomac Telephone Company to lay conduits and construct the necessary man-holes for their wires under the surface of the streets.

The supervision of this work having been placed in my hands, it has been practically completed, with the exception of placing their cables in the conduits; this is being done at the present time.

For the amount of work they have done, in opening the streets and replacing them, they have done better work and given the City less trouble than the average run of corporations that have torn up the streets in the past.

They have divided the City into four divisions, viz: The Northern, Southern, Eastern and Western.

The following table will show the exact number of man-holes constructed and lineal yards of conduits

laid in each division, in the years 1889 and 1890. The measurements are all taken from centre to centre of man-holes:

		Northern Division.	Southern Division.	Eastern Division.	Western Division.	Total.
Man-holes.	1889	27			9	36
	1890	2	45	47	26	120
Total..		29	45	47	35	156
Linear yards.	1889	$4363\frac{23}{100}$			$982\frac{61}{100}$	$5345\frac{84}{100}$
	1890	$17\frac{21}{100}$	$4692\frac{61}{100}$	$5396\frac{86}{100}$	$4206\frac{61}{100}$	$14313\frac{29}{100}$
Total..		$4380\frac{44}{100}$	$4692\frac{61}{100}$	$5396\frac{86}{100}$	$5189\frac{22}{100}$	$19659\frac{13}{100}$

THE BALTIMORE TRACTION COMPANY.

This company commenced operations in the month of March. The supervision of the work having been placed in my hands, I herewith append a report of the same as far as completed.

The two power-houses, with their vaults under the beds of the streets in front of them, the one in east Pratt street, near Central avenue, the other at the southwest corner of Retreat street and Druid Hill

avenue, as well as the junction vault in the bed of Paca street, between Fayette and Lexington streets, have been practically completed.

They have nine and three-tenths miles of track, including curves, laid in the following route: From the entrance to Druid Hill Park, at the the head of Druid Hill avenue extended, southwesterly in Druid Hill avenue to Paca street, south in Paca street to Fayette street, east in Fayette street to Howard street, south in Howard street to Lombard street, east in Lombard street to Exeter street, south in Exeter street to Pratt street, east in Pratt street to Patterson Park avenue, north in Patterson Park avenue to Baltimore street, west in Baltimore street to Ann street, south in Ann street to Pratt street, west in Pratt street to Exeter street, north in Exeter street to Lombard street, west in Lombard street to South street, north in South street to Fayette street, west in Fayette street to Paca street, north in Paca street to Druid Hill avenue, and northwest in Druid Hill avenue to the park entrance. There remains about one and one-quarter miles of this track to be completed.

In consequence of the numerous gutters, some of them covered with cast-iron plates, crossing under their tracks at the different street intersections on the route described, it was found necessary to lay numerous sewer pipes, both iron and tile, from the various City sewers, docks and other points most convenient to these intersections, and construct inlets into them to discharge the water which formerly passed down the gutters.

The following is a list of the intersections and a description of the work done in them.

Druid Hill Avenue and Presstman Street.

A cast-iron pipe connection twenty inches in diameter, laid from Druid Hill avenue sewer to brick inlet constructed at the northeast corner of this intersection.

Druid Hill Avenue and Wilson Street.

Three hundred and sixty feet of cast-iron pipe, sixteen inches in diameter, laid in Wilson street from the Druid Hill avenue sewer, at McCulloh street, to two brick inlets constructed at the northwest and southwest corners of this intersection.

Druid Hill Avenue and McMechin Street.

Gutter changed to flow north on west side of Druid Hill avenue.

Druid Hill Avenue and Townsend Street.

Eight hundred and twenty-seven feet of cast-iron pipe, twenty-four inches in diameter, laid east in Townsend street from the sewer in Pennsylvania avenue to man-hole in Druid Hill avenue; from this man-hole sixty feet of cast-iron pipe, twenty inches in diameter, was laid to the two brick inlets constructed at the northeast and southeast corners of this intersection. There was also a man-hole constructed over this pipe at Division street.

Druid Hill Avenue and Biddle Street.

Five hundred and eighty feet of cast-iron pipe, twenty-four inches in diameter, laid east in Biddle street from the sewer at Tessier street to a man-hole between the tracks in Druid Hill avenue ; from this man hole forty feet of cast-iron pipe, sixteen inches in diameter, was laid to the brick inlet covered with cast-iron plates, constructed at the southeast corner, and twenty feet of cast-iron pipe, twenty inches in diameter, was laid to the brick inlet covered with cast-iron plates, constructed at the northeast corner of this intersection.

Druid Hill Avenue and St. Mary Street.

From an opening into the gutter from under the sidewalk at the south curb of St. Mary street, west of Druid Hill avenue, one hundred and seventy-two feet of cast-iron pipe, sixteen inches in diameter, laid east under the south sidewalk of St. Mary street to a man-hole between the tracks in Druid Hill avenue ; from this man-hole twelve feet of cast-iron pipe, sixteen inches in diameter was laid to the brick inlet, covered with a stone flag, constructed at the southeast corner of this intersection. A twelve feet length of cast-iron pipe was also laid from this man-hole in the direction of the northeast corner, in case it should become necessary to construct an inlet at that corner.

Paca and Franklin Streets.

Five hundred and ninety-nine feet of cast-iron pipe, twenty-four inches in diameter, laid east in Franklin

street to a man-hole between the tracks in Paca street, from which thirty-six feet of cast-iron pipe, twenty inches in diameter, was laid to a brick inlet covered with cast-iron plates at the northeast corner, and twenty-two feet of cast-iron pipe, sixteen inches in diameter, was laid to the brick inlet covered with cast-iron plates at the southeast corner of this intersection.

Eutaw and Fayette Streets.

The gutters covered with iron plates on the east and west sides of Eutaw street at Lombard street were torn out and rebuilt, being made deeper; from each of these gutters brick gutters covered with iron plates, their combined length amounting to two hundred feet, were constructed north in Eutaw street; from the ends of each of these gutters cast-iron pipe was laid to a brick connection, constructed with a man-hole over it, combined length of these pipes amounting to one hundred and forty-four feet. From this connection and man hole ninety-six feet of cast-iron pipe, twenty-four inches in diameter, was laid north in Eutaw street; from the end of this pipe seven hundred and thirty feet of tile pipe, twenty-four inches in diameter, was laid in a bed of concrete six inches thick around the pipe to a man-hole on the west side of Eutaw street, south of Fayette street. The gutters covered with iron plates on the east and west sides of Eutaw street, at Fayette street, are being torn out and rebuilt under the tracks, in the form of an inverted siphon, from the lowest point of which they are tapped and connected with the man-hole on the

west side by thirty feet of tile pipe, twenty inches in diameter, and on the east side by sixty feet of tile pipe, twenty inches in diameter, both laid in a bed of concrete six inches thick around the pipe.

Lombard and Charles Streets.

Ninety-two feet of tile pipe, twenty-four inches in diameter, laid in a bed of concrete six inches thick around it, in Charles street, from the sewer in Balderston street to a man-hole near the south side of Lombard street; from this man-hole thirty-five feet of cast-iron pipe, twenty inches in diameter, was laid to the brick inlet, covered with cast-iron plates, constructed at northeast corner, and forty-nine feet of cast-iron pipe, twenty inches in diameter, was laid to the brick inlet, covered with iron plates, constructed at the northwest corner of this intersection.

Lombard and Light Streets.

One hundred and four feet of tile pipe, twenty-four inches in diameter, laid in a bed of concrete six inches around it, in Light street, from the sewer at Balderston street to a man-hole at the south side of Lombard street; from this man-hole twenty-five feet of cast-iron pipe, sixteen inches in diameter, was laid to the brick inlet, covered with cast-iron plates, constructed at the northeast corner, and twenty-one feet of cast-iron pipe, sixteen feet in diameter, laid to the brick inlet, covered with cast-iron plates, constructed at the northwest corner of this intersection.

Frederick and Lombard Streets.

Sixty feet of cast-iron pipe, sixteen inches in diameter, was laid across Pratt street, from the northwest corner of Frederick street dock into Frederick street; from the end of this pipe tile pipe, fifteen inches in diameter, was laid in a bed of concrete six inches thick around it, in Frederick street to the lowest point of a cast-iron pipe, twenty inches in diameter, laid in the form of an inverted siphon under the tracks to a brick inlet, covered with cast-iron plates, constructed at the northwest corner of this intersection. There is also to be constructed a brick gutter, covered with cast-iron plates, discharging into this inlet across Frederick street at north side of Lombard street. There are three man-holes over this pipe at different points in Frederick street.

Lombard and Concord Streets.

Twelve feet of cast-iron pipe, sixteen inches in diameter, laid through the west wall of Jones' falls, at West Falls avenue and Lombard street; from the end of this pipe one hundred and sixteen feet of tile pipe, fifteen inches in diameter, was laid in a bed of concrete six inches thick around it, west in Lombard street to a brick inlet, covered with cast-iron plates, to be constructed at the southeast corner of Lombard and Concord streets; from this inlet thirty feet of cast-iron pipe, sixteen inches in diameter, was laid to the brick inlet, covered with cast-iron plates, to be constructed at the southwest corner of this intersection.

Broadway and Pratt Street.

Five hundred and eighty-six feet of tile pipe, twenty-four inches in diameter, was laid in a bed of concrete six inches thick around it, north in the east side of Broadway, from the sewer in Gough street to a man-hole in the east side of Broadway, south of Pratt street; from this man-hole one hundred feet of tile pipe, sixteen inches in diameter, was laid in a bed of concrete six inches thick around it, to the brick inlet, covered with a stone flag, at the northwest corner, and thirty feet of tile pipe, twenty-four inches in diameter, was laid in a bed of concrete six inches thick around it, to the brick inlet, covered with iron plates, constructed at the northeast corner of this intersection.

Pratt and Regester Streets.

A new brick gutter, covered with cast-iron plates, was constructed across Regester street, at the north side of Lombard street, to replace the two gutters across Pratt street, which were removed.

Pratt and Ann Streets.

Thirty-six feet of tile pipe, twenty-four inches in diameter, was laid in a bed of concrete six inches thick around it, from the sewer in Ann street to the brick inlet, covered with cast-iron plates, constructed at the northwest corner of this intersection.

Pratt and Chester Streets; Pratt Street and Duncan Alley; Pratt Street and Collington Avenue.

The gutters covered with cast-iron plates, on the east and west sides of Chester streets, were torn out and rebuilt, being made deeper; from each of these gutters ninety-six feet of cast-iron pipe, twenty-four inches in diameter, was laid to a brick connection and man-hole constructed in Chester street north of Gough street. From this man-hole five hundred feet of tile pipe, twenty inches in diameter, was laid in a bed of concrete six inches thick around it, north in Chester street to a man-hole at Pratt street. From this man-hole twenty-seven feet of tile pipe, twenty inches in diameter, was laid in a bed of concrete six inches thick around it, to the brick inlet constructed at the northwest corner, and twenty-five feet of tile pipe, twenty inches in diameter, laid in the same manner to the brick inlet constructed at the northeast corner of Chester and Pratt streets. From this same man-hole one hundred and fifty feet of tile pipe, twenty inches in diameter, was laid in a bed of concrete six inches thick around it, east in Pratt street to a man-hole at Duncan alley. From this man hole twenty feet of tile pipe, fifteen inches in diameter, was laid in a bed of concrete six inches thick around it, to a brick inlet constructed at northwest corner of Pratt street and Duncan alley. From this same man-hole one hundred and forty feet of tile pipe, twenty inches in diameter, was laid in a bed of concrete six inches thick around it, east in Pratt street to a man-hole at Collington avenue. From this man-hole ten feet of tile pipe, fifteen

inches in diameter, was laid to the brick inlet constructed at northwest corner, and fifty feet of tile pipe, fifteen inches in diameter, was laid to the brick inlet constructed at the northeast corner of Pratt street and Collington avenue.

Patterson Park Avenue and Baltimore Street.

From an opening into the gutter from under the sidewalk at the south curb of Baltimore street east of Patterson Park avenue, one hundred and eighty feet of tile pipe, fifteen inches in diameter, was laid in a bed of concrete six inches thick around it, west under the south sidewalk of Baltimore street to a man-hole in Patterson Park avenue. From this man-hole twenty-five feet of tile pipe, fifteen inches in diameter, was laid to the brick inlet constructed at the southwest corner of this intersection.

Ann and Baltimore Streets.

Twenty-five feet of tile pipe, twenty-four inches in diameter, was laid in a bed of concrete six inches thick around it, from the sewer in Baltimore street to the brick inlet, covered with cast iron plates, constructed at northeast corner Baltimore and Ann streets.

Baltimore and North Streets.

The gutter covered with cast-iron plates across North street at the north side of Baltimore street, was removed and a new brick gutter, covered with cast-iron plates, was constructed across Baltimore street at the west side of North street.

St. Paul and Fayette Streets.

The gutters, covered with cast-iron plates, across Fayette street, at the west side of St. Paul street, was removed and a new brick gutter, covered with cast-iron plates, was constructed across St. Paul street, at the north side of Fayette street.

Charles and Fayette Streets.

The gutters, covered with cast-iron plates, on the east and west sides of Charles street, at Baltimore street, was torn out and rebuilt, being made deeper; from each of these gutters a total length of thirty-six feet of cast-iron pipe, sixteen inches in diameter, and two hundred and sixty-four feet of tile pipe, fifteen inches in diameter, which was laid in a bed of concrete six inches thick around it, in the east and west sides of Charles street to two man-holes, the one in the east and the other in the west side of Charles street at the south side of Fayette street. From these man-holes pipes were laid to the brick inlets, covered with cast-iron plates, constructed at the northeast and northwest corners of this intersection.

There remains to be completed a pipe sewer eastward in Granby street, from Jones' falls to Exeter street, and north in Exeter street to Lombard street, with proper inlets to discharge the water from these streets.

In Gay street, from the dock north to Lombard street, a pipe sewer is to be laid with proper inlets to discharge the water from the intersection of Gay and Lombard streets.

From the basin, at Pratt street and Bowly's wharf, a pipe is to be laid north in Bowly's street to Lombard street, and then east in Lombard street to the intersection of South and Lombard streets, in which inlets will be constructed into this pipe to discharge the water from this intersection.

In Calvert street a pipe is to be laid from Pratt street wharf north to the intersection of Calvert and Lombard streets, in which inlets will be constructed into this pipe to discharge the water from this intersection; from here a lateral branch will be laid east in Lombard street to Cheapside, where inlets will be constructed into this branch to discharge the water from this point.

Wherever it was necessary the inlets were trapped to prevent the gases from escaping from the sewers.

This work was all done in a workmanlike manner, and the City will be benefited by a number of the changes made.

All the old paving in the tracks, between them, and eighteen inches on each side, have been replaced with Belgian blocks, the joints between the blocks being filled in with a composition of asphalt. In many cases, outside of their tracks, the old cobble stone pavement had to be torn out and repaved from the gutters to the Belgian block pavement at the tracks.

The bridge over Jones' falls, at Lombard street, was raised in the centre and strengthened, each end remain-

ing as it was originally. This was done by the Traction Company to permit their cable to work over it.

THE BELT RAILROAD TUNNEL.

The supervision of the construction of this tunnel having been placed in my hands, I herewith report progress.

Operations have been commenced on this work at the following locations:

In the lot at the southwest corner of Preston street and Park avenue a shaft ten feet long by thirty-two feet wide, inside dimensions, has been sunk to the depth of $45\frac{32}{100}$ feet to sub-grade and five feet deeper to the bottom of the sump. Excavation in the tunnel north of the shaft has been carried ninety feet, and the brick work, sides and arch forty-five feet. Excavation south of the shaft has been carried eighty-six feet, the brick work, sides and arch forty-five feet.

In the ground known as the Bolton lot, excavation has been commenced between Dolphin and Hoffman streets.

In Howard street, south of German street, a shaft nine feet long by sixteen feet wide, inside dimensions, has been sunk to the depth of $33\frac{82}{100}$ feet to sub-grade and $6\frac{2}{10}$ feet deeper to the bottom of the sump. Excavation in the tunnel north of the shaft has been carried forty feet, the brick work, sides and arch eighteen

feet. Excavation south of the shaft has been carried twenty-five feet, the brick work, sides and arch twelve feet.

A pumping well eight feet square has been sunk to a depth of $35\frac{34}{100}$ feet to sub grade and five feet deeper to the bottom of the sump. From the shaft and this well the water was pumped until the level of it in the surrounding ground was reduced below the sub grade, permitting the successful prosecution of the work between the well and the shaft.

In Camden street, just east of Howard street, a shaft eight feet square has been sunk to a depth of thirty feet to sub-grade and six feet deeper to the bottom of the sump. From this shaft the water is pumped, in order to reduce the level of it in the surrounding ground below the sub-grade in the tunnel in Howard street at Camden street, which will be the lowest point in the tunnel.

In concluding this report, I would say I have endeavored to faithfully carry out the instructions received when you placed the charge and supervision of the different works herein mentioned in my hands.

Respectfully submitted.

CHARLES P. KAHLER,

Assistant City Commissioner.

REPAIRS OF BRIDGES.

The following bridges have received necessary and careful attention during the year:

Madison Street Bridge—The driveways renewed with double floors, and the sidewalk renewed.

Leadenhall Street Bridge—Single floor on driveway renewed.

Fayette Street Bridge—Renewed with double floors on driveway; one sidewalk renewed.

Washington Avenue Bridge, over Gwynn's Falls—Single floor renewed.

City Dock Draw Bridge—Double floors on driveway renewed.

Maryland Avenue Bridge—Double floors on driveway renewed. Top and bottom lateral and diagonal rods tightened up and properly adjusted.

Centre Street Bridge—Double floor on driveway and sidewalk renewed.

Baltimore Street Bridge—Double floor on driveway and sidewalk renewed.

Eastern Avenue Bridge—Single floor on driveway and sidewalk renewed.

Canton Avenue Bridge—Sidewalk renewed.

Ridgely Street Bridge—Single floor on driveway renewed.

Warner Street Bridge—Single floor on driveway renewed.

Loney's Lane Bridge—Single floor on driveway renewed.

Bath Street Bridge—General repairs.

North Street Bridge—Sidewalk renewed.

Edmondson Avenue Bridge—Sidewalk repaired.

Argyle Avenue Bridge—Sidewalk repaired.

Jackson Street Bridge—General repairs.

Hillen Street Bridge—General repairs.

Bush Street and Columbia Avenue Bridge—Sundry repairs.

North Avenue Bridge—Renewed broken truss, fifty-seven feet long, and as far as practicable tightened up and readjusted top and bottom lateral rods.

Harman's Bridge, as heretofore reported, has been severely taxed during the building of Light Street Bridge, before the temporary bridge at the latter point was constructed so as to admit of travel over it. This bridge at best is but a very temporary structure, of one thousand four hundred and fifty feet length, and requires large repairs annually to keep it in safe condition. More than the usual amount of repairs have been done this year. In the annual report of this Department for the year ending 31st December, 1886, a full description of the bridge can be seen, together with suggestions made, which if carried out at that time would, it is believed, have facilitated travel and proved economical to the City.

REPAIRS NEEDED TO BRIDGES FOR WHICH SPECIAL APPROPRIATIONS SHOULD BE MADE.

I have had a thorough examination made of the following bridges, and earnestly recommended that prompt action be had in regard to them:

City Dock Drawbridge.

The condition of this bridge is such as to make it imperatively necessary to renew the rim-bearing wheels and tracks of the turn-table. They are wearing down very rapidly, and if not attended to may cause serious inconvenience and damage. As the construction of the parts is such that a new track and wheels can be easily substituted, I would suggest that this be done without delay, and that in the renewal steel be employed, as it is more durable and serviceable under the constant and heavy wear to which it is subjected. This bridge is badly in want of a thorough cleaning and painting below the floor.

The following estimate, it is believed, will cover the cost and place it in good working condition:

Replacing rim wheels and track with steel..	$1,500 00
Cleaning and repainting bridge below floor surface	250 00
Repainting, &c., above floor surface.....	500 00
	$2,250 00

I also find that some five or six of the protection fender pieces have been broken off, or knocked out of place, and the fender piles either broken or lost. These will be renewed as soon as possible. There are also minor repairs to be attended to, which can be done by our regular repair gang, the cost to be charged to the regular annual appropriation for repairs of bridges.

St. Paul Street Bridge.

This fine structure is in danger of being seriously damaged, for the want of cleaning and repainting. A general repairing of the hand-rail is needed to prevent possible accidents.

Cost of cleaning and repainting.....	$3,000 00
Cost of repairing rail, &c.....	400 00
	$3,400 00

Calvert Street Bridge.

Requires repainting all over. Cost..... $2,500 00

North Street Bridge.

Requires cleaning and repainting. Cost... $1,000 00

North Avenue Bridge.

The removal of this bridge and the erection of a new one, to meet the requirements of the Belt R. R. Line, is contemplated in the near future. Plans and specifications are now in course of preparation, and will be

submitted in the course of the present month, together with the estimated cost. A description of the old bridge and its condition was fully set forth in my report of last year, pages 7 and 8, and I think no further comments are needed now, except that extensive repairs have been made, and everything done that was practicable, under existing circumstances, to make the bridge as safe as possible.

REPORT OF FREDERICK H. SMITH.

BALTIMORE, MD., January 10th, 1891.

Capt. A. E. Smyrk, City Commissioner:

CAPTAIN—Herewith please find blue prints of plans for the re-building of North Avenue Bridge.

Plan "*A*"—Shows the old bridge in section, and in profile and plan, extending from Maryland avenue to Mt. Royal avenue. This bridge is twenty years old, and has a light wooden floor system, requiring frequent renewal. The western span is a combination of wrought and cast-iron, and the other spans are combinations of wrought-iron and wood, all resting on stone abutments and cast-iron piers.

The stone abutments are in very fair condition, and the cast-iron piers are in good shape above the flood line, but many of the foundation cylinders are badly cracked, and have been repaired with iron bands, so that no settlement of foundation is seen.

The wooden cords in the combination spans are very soft in spots, and liable to sudden collapse from crushing, and all the wooden parts of these spans should be replaced with new materials very soon, unless the building of a new and modern bridge is decided upon.

These wooden parts can be replaced with cast-iron, as now used in the western span, but after this is done, the wooden floor system will still have to be retained because the present iron span is only strong enough to carry the present light wooden floor, and not nearly strong enough to carry a modern stone floor on buckle plates.

This North avenue locality would seem to be entitled to a new and modern bridge, and the iron portions of the old bridge can be carefully removed and adapted for use in other localities where the requirements are not so great.

Plan "B"—Shows the proposed modern bridge, built in the same position as the old bridge, except that the floor level is raised two feet higher in order to get more depth of truss and make a stiffer bridge. The same head room over the railroads under the lower chord lines of the old spans and water girder is retained.

This Plan "B" bridge has ornamental iron hand-rails, also a light rail on the curb line, and Granolithic sidewalks, and small granite block roadway resting on iron buckle-plates on iron floor-beams. The piers are

iron cylinders made of rivetted plates, and are filled with concrete with granite cap stones, and the whole structure is of iron or stone or other mineral substances.

The estimated cost of this bridge complete, including the small approach grading at each end, is $148,000, and the building of this bridge is all that the City requires for its own use and protection so long as the present grade-crossing nuisance near its west end is kept within its present limits.

Plan "C"—Shows the same bridge as Plan "B," except that it is so elevated as to meet an approach viaduct to be built over the present Bolton tracks, and those of the Belt Railroad, or any other tracks crossing North avenue. This plan is arranged on the basis of the rail bases of these tracks being lowered to elevation 87 feet above mean tide, which is allowable by the features of the locality including the tunnel arch over the Baltimore and Potomac tracks.

On this basis we can use 3 per cent. grades at each end of the bridge and approaches, and a long level stretch over the tracks at elevation 112 above mean tide. But if the railroad companies do not cut down their tracks as proposed, we will have to increase the grades, and this will be a subject for negotiation. I suggest that three and a-half per cent. grade on the approaches and bridge should not be exceeded.

The estimate cost of Plan "C" complete on the same high class basis as Plan "B" is $25,800, and the difference in cost between Plan "B," which the City requires for its own purposes, and Plan "C," which is to be imposed upon it by the entrance of new railroad tracks, &c., is thus $110,000. This difference is made up of $9,000, cost of work and materials required in elevating Plan "B" bridge to the position shown in Plan "C," and of $101,000, cost of the approaches, which includes the viaduct complete and the necessary grading, kerbing, paving, &c., masonry and steps, all as shown on the drawings.

There may be some small extras arising out of shifting position of posts in viaduct, or from some changing of water and gas pipes, but these will not foot up more than about $8,000.

Respectfully,

FREDK. H. SMITH,

Consulting and Bridge Engineer.

SUPPLEMENTARY REPORT.

BALTIMORE, MD., January 12th, 1891.

Capt. A. E. Smyrk, City Commissioner:

CAPTAIN—Supplementing my North Avenue Bridge Report of the 10th inst., I would state that my reason for planning the western approach only the same width

(sixty-six feet) as the bridge, is that the outer hand-rail will thus not be so close to the building line of the avenue as to be seriously objectionable to occupants of buildings.

But if it is decided to construct the approach the full width of the avenue (one hundred feet), and thus retain exactly the dimensions on the approach, which we now have on the avenue, it will cost about $50,000 more, making the whole cost of the new structure $308,000, of which the City's share would be $148,000.

If it is decided to widen out the bridge also to the full one hundred feet, this will add about $80,000 to the cost, making the cost of the whole structure, one thousand two hundred and fifty feet long by one hundred feet wide, $388,000, of which the City's share would be $228,000. To widen it on only one side, making it eighty-three feet four inches wide, would cost intermediately of the above.

Respectfully,

FREDK. H. SMITH,

Consulting and Bridge Engineer.

CEDAR AVENUE BRIDGE.

The following description of this very substantial and handsome structure, as given by Mr. Charles H. Latrobe, Civil Engineer, by whom this bridge was de-

signed will serve to show the character and cost of the work, that gentleman having handed me a brief report of the same.

BALTIMORE, November 4th, 1890.

A. E. Smyrk, Esq., City Commissioner.

DEAR SIR:

At your request I present the following brief account of the Cedar Avenue Bridge and its construction. Having been placed in charge of the designing and erection of this structure by Mayor Latrobe and yourself, in 1889, I proceeeded at once to select the best style of structure for the place. Owing to the solid rock banks of Jones' falls at this point, I concluded that a braced arch would be well adapted to the main span, and would certainly present a more graceful appearance than a rectangular truss. This being settled, girders were used for the side spans, so that the bridge as built consists of a braced arch span one hundred and fifty feet long over the water, a seventy-two feet latticed girder over the Falls road at the eastern end, a seventy-two feet latticed girder over the Northern Central Railway at the western end, and thence two plate girders twenty-four feet six inches each to reach the western abutment, which stands in Druid Hill Park, making a total length between abutments of three hundred and forty-three linear feet. The carriage way is twenty feet wide in the clear, and the two footways are ten feet each. The entire superstructure is of wrought

iron, excepting the joists and flooring, which are of creosoted Georgia pine. The arch contains three ribs, and each of the girder spans three trusses. The substructure consists of two heavy skewback piers to resist the thrust of the arched span. Six pedestals for the two iron piers and two abutments. The skewback piers are cut dimension stone thoroughly tied together. The pedestals are also of dimension cut stone. The abutments are cut ashlars with heavy rubble backing. I may safely say that the masonry is unsurpassed for quality and solidity anywhere. Messrs. Jones & Thorne were the masonry contractors, and the King Iron Bridge and Manufacturing Co., of Cleveland, Ohio, manufactured and erected the iron superstructure. Hildreth & Co., of New York, inspected and tested the material and workmanship at Cleveland. All parts of this superstructure came together admirably, and no fault can be found with the character of the work. Krug & Son, of Baltimore, made and erected the hand railing, which is a handsome job. Creosoted lumber was used in all the flooring to prevent decay. The bridge was to have been finished on June the 10th, but was not finished until August 25th, since which date it has been in constant use, although the approaches are only now about completed. I don't know of any recent improvement within the City limits which has been of more use to those who live within its influence, and I believe it is thoroughly appreciated.

The estimated cost and the appropriations were $60,000—the actual cost was $60,718.83. This excess was due to the fact that we had to go deeper than appearances indicated to find rock for the western skew-backed piers, costing $2,400 more than anticipated, otherwise we would have had a handsome balance. Congratulating you upon the completion of this important structure,

I remain respectfully yours,

C. H. LATROBE,

Engineer in Charge.

There are due on this bridge the following bills:

Krug & Son, on account railing	$708 92
Schultz Manufacturing Co., for lamps	75 00
	$783 92

And I earnestly recommend that an appropriation to cover the amounts be made without delay.

It is needless to say that I fully endorse what is said in Mr. Latrobe's report of the above described work.

This bridge has opened up a beautiful and desirably located portion of the lately annexed portion of Baltimore county, and has placed the same in direct and easy communication with the central part of the City, and has opened a beautiful approach to the Park from

the eastern section. That the work is highly appreciated, it is only necessary to observe the rapid growth of the City in close proximity to this bridge, particularly on the avenue which approaches it on the eastern end. Since the commencement of this structure, not less than one hundred dwelling houses have been erected, or are in course of construction at present.

The height of this bridge from the water line of Jones' Falls to the floor is seventy-five feet, and from the Northern Central R. R. tracks forty-two feet.

By Resolution No. 203, approved 27th October, 1890, the sum of $1,700 was appropriated to grade and construct inlets to the eastern approach to the bridge.

This work will be fully described in this report under its proper heading.

JONES' FALLS IMPROVEMENT.

The report of W. H. Marriott, Esq., late Engineer to the Commission for the Improvement of Jones' Falls, is herewith submitted.

BALTIMORE, August 30th, 1890.

Hon. Robert C. Davidson, Mayor,
A. E. Smyrk, City Commissioner,
Constituting Jones' Falls Commission.

GENTLEMEN:

The active work under the control of the Commission having been completed, I herewith submit the following report, in detail, of what has been accomplished during the year 1890, to date. At the time of last annual report, the only work remaining to be completed was that upon the retaining walls west of and adjoining the Charles Street Bridge, over Jones' Falls; the gang here employed, M. C. Wallace, foreman, was kept steadily at work during the winter, which was an unusually open one, and on April 19th, 1890, the work being completed to a junction with Charles Street Bridge, the gang was disbanded, the machinery and tools in use having been removed and stored on Bolton lot under the care of the City Commissioner, as directed by him.

The character of the work heretofore done along the falls has been strictly adhered to in the prosecution of this new work, and will bear favorable comparison thereto.

With the completion of this wall, all projected improvements have been brought to a conclusion, and the means at your disposal, with the exception of a few

hundred dollars, have been expended. There still remains, however, a balance of $28,000 of unissued stock for these improvements that will be available for any future work that may be thought desirable.

Statement of Work done upon the Retaining Walls proper along the line of Jones' Falls during the year 1890.

Title of Gang.	Lineal feet of wall built.	Cubic yards Masonry laid.	Total cost.	Average per cubic yard.
	FT. IN.			
B	83 8	775.15	$8,549 32	$11 03

Below is given a summary of work done upon the retaining walls from June 15th, 1881, to date, giving quantities laid and cost of same, a careful and complete record in detail being kept in this office.

Summary of Amount and Cost of Work from an average date of June 15th, 1881, *to date.—Lower Falls.*

Title of Gang.	Lineal feet of wall built.	Cubic yards Masonry laid.	Total cost.	Cost per cubic yard.
	FT. IN.			
No. 1....	933 4	2,380.08	$47,397 16	$19 91
" 2....	1,720 2	4,195.93	86,805 38	20 68
Totals...	2,653 6	6,576.01	$134,202 54	$20 41

Upper Falls.

Title of Gang.	Lineal feet of wall built.	Cubic yards Masonry laid.	Total cost	Cost per cubic yard.
	FT. IN.			
No. 3...	1,168 9	12,236.19	$142,480 07	$11 64
" 4...	635 5	7,878.84	79,148 73	10 04
" 5...	279 2	2,496.74	26,608 00	10 65
" 6...	301 3	2,536.50	30,775 56	12 13
" 7...	109 2	1,830.31	20,104 55	10 98
" 10...	341 2	2,909.62	35,170 57	12 08
" 12...	229 9	2,850.79	31,067 49	10 89
A	338 5	2,919.69	33,742 59	11 55
B	425 3	3,561.04	50,244 44	14 11
C	191 9	2,408.44	24,981 27	10 37
Totals...	4,101 1	41,628.16	$474,323 27	$11 39

It will thus be seen that the average cost per cubic yard, for the year 1890, is $11.03, and that the cost per cubic yard since 1881, general average, has been $12.66.

On lower falls, average $20.41, light wall, pile foundation.

On upper falls, average $11.39, rock or gravel foundation, heavier wall.

It must be borne in mind that the figures above given cover all the expenses of excavations, refilling behind walls, clearing bed of stream, preparing foundations, and so on, as well as cost of masonry, and is thus the average cost of the entire work.

The labor has been all by the day, and at City rates established by law; the amount of money distributed as wages since 1881 being $277,765.20.

St. Paul and Calvert Street Bridges.

The contract with Messrs. A. L. Barber & Co., of Washington, D. C., for maintenance of the asphalt floor of Calvert Street Bridge expired July 8th, 1890, and that for the St. Paul Street Bridge will expire June 25th, 1891.

The floor of the Calvert Street Bridge is now in good condition and will not need any repairs, under general use, for several years.

The floor of the St. Paul Street Bridge should be examined before the time named expires, so that the contractors may deliver it in good condition as per terms of contract.

Both of these bridges, but notably St. Paul Street, are in dire need of a good covering of paint, besides some repairs to the hand-railing, &c. This matter should not remain any longer without attention, else serious injury to both these fine and costly structures must result.

The following detailed statement of expenditures during 1890 that have passed through this office is given below:

Dr.

For building retaining walls as per sub-detail statement	$8,549 32
Maintenance of Mt. Royal terraces prior to transfer to control of Park Board	169 72
For cost of removal of machinery, &c., to the Bolton lot and sundry items	158 96
For office expenses, including rent, fuel, &c.	93 00
For Engineer pay-roll during 1890	687 50
Total	$9,658 50

Cr.

By face amount of total vouchers issued during 1890	$9,658 50

As to the disposition of the stock of machinery and tools belonging to the Commission, now stored on Bolton lot, and from which the City Commissioner has been enabled to obtain many necessary articles for the prosecution of the work of his Department, I would suggest that all such materials, machinery, &c., as may not be needed be sold rather than to let them deteriorate by non-use.

As the work of dredging the falls has been placed under the control of the Harbor Board, where it rightly belongs, suggestions as to the future conduct of the work will properly be made by them ; but I will here call attention to the fact that since these dredging op-

erations have been undertaken and thoroughly prosecuted to Gay Street Bridge the low district has been entirely free from floods, and though a period of excessive rainfall has been experienced, this freedom can be largely traced to the deepening of the bed of the falls at and above Gay Street Bridge.

Provision must be made in the levy of 1891 for the following fixed charges for the maintenance of the asphalt floors on St. Paul and Biddle Street Bridges:

To Messrs. A. L. Barber & Co., Washington, D. C., for St. Paul Street Bridge..... (Expires June 25th, 1890.)	$946 27
To Messrs. Cranford & Filbert, for Biddle Street Bridge..... (Expires October 12th, 1895.)	129 84
Total.....	$1,076 11

In closing, permit me to thank the Commission for courtesies shown towards myself in my official and personal relations with them.

Respectfully submitted,

WM. H. MARRIOTT,

Engineer to Commission.

The putting down of improved pavements, the laying of flag-stones, gutter-plates and construction of bridges were placed under the supervision of Mr. Newton M.

Gray, Assistant City Commissioner, who has prepared a detailed account of the work, which is hereto annexed.

A. E. Smyrk, Esq., City Commissioner:

SIR—I respectfully submit the following report of operations in connection with works under my direction and control during the year 1890:

IMPROVED PAVEMENTS.

Improved pavements were put down in accordance with Ordinances, as follows:

Ordinance No. 113, approved June 8th, 1889, for repaving, with Belgian blocks, Cathedral street from the north side of Madison street to the south side of Mount Royal avenue. Work done by labor employed by the day.

Contracts for materials were made with—

William F. Weller, for 50,000 granite blocks, at $56.70 per thousand, 50,000 granite blocks, at $58.95 per thousand and 50,000 granite blocks, at $60 per thousand. Also 1,000 feet of six inch kerb, at 74 cents per foot.

William E. Cavey, for 50,000 granite blocks, at $62 per thousand.

The Woodstock Granite Co., for 20,000 granite blocks, at $52 per thousand, 53,000 granite blocks, at

$59.75 per thousand and 40,000 granite blocks, at $65 per thousand. Also 2,600 feet of 6-inch kerb, at 75 cents per foot.

John Harris, for 4,600 feet of gutter stones, at 22 cents per foot.

M. F. Leonard, for sand, at 68 cents per cubic yard.

This work was commenced in 1889 and completed in 1890.

Statement of Quantities and Cost.

Number of Belgian blocks	316,700
Number of lineal feet of new kerb	3,294½
Number of lineal feet of new circles	153¼
Number of lineal feet of new gutter stones	4,757
Number of square feet of new flagstones	2,694
Total expenditure	$37,058 34
Less collections	112 00
Net cost	$36,946 34

Ordinance No. 137, approved July 1, 1889, to repave Monument street from the west side of Park avenue to the east side of Howard street with Belgian blocks. Work done by labor employed by the day.

Contracts for material were made with—

The Guilford and Waltersville Granite Co., for 40,000 granite blocks, at $60 per thousand.

William F. Weller, for 85 feet of 6-inch kerb, at 95 cents per foot.

John Harris, for 760 feet of gutter stones, at 24 cents per foot.

Patrick Reddington, for sand, at 59 cents per cubic yard.

Statement of Quantities and Cost.

42,830 Belgian blocks at $60 per thousand...		$2,569 80
778⅓ lineal feet of gutter stones at 24 cents ..		186 80
85¼ lineal feet of six inch curb at 95 cents...		80 99
		$2,837 59
Labor of all kinds, including cobble repaving, engineering, inspection, &c.....		1,626 99
		$4,464 58
Deduct:		
85¼ feet kerb at 95 cents.....	$ 80 99	
50 8/10 square feet flags at 20 cents ...	10 16	
Cobble repaving.....	65 43	
	$156 58	$ 156 58
Net cost of paving.....		$4,308 00

Paving, including gutterstones, 1,630 square yards, at $2.64 3/10 per square yard, $4,308.

Ordinance No. 19, approved March 22, 1889, to repave Madison avenue, from the north side of North avenue to the Druid Hill Park gate, with Belgian blocks.

Work done by labor employed by the day.

Contracts for materials were made with—

The Guilford and Waltersville Granite Co., for 100,000 granite blocks, at $58.75 per thousand.

The Woodstock Granite Co., for 1,000 feet of six-inch kerb, at 75 cents per foot, and 800 feet, at 78 cents per foot.

James H. Atkinson, for 2,700 feet of gutter stones, at 28 cents per foot.

M. F. Leonard, for sand, at 75 cents per cubic yard.

Statement of Quantities and Costs.

Number of Belgian blocks	115,316
Number of lineal feet of new kerb	1,704½
Number of lineal feet of new gutter stones	2,670½
Number of square feet of new flagstones	284
Amount expended	$15,059 47
Less collections	186 17
Net cost of work	$14,873 30

Ordinance No. 157, approved October 23d, 1889, to repave Cathedral street, from the north side of Centre street to the north side of Saratoga street, with Belgian blocks. Work done by labor employed by the day.

Contracts for materials were made with—

McClenahan & Brother, for 50,000 granite blocks, at $64.50 per thousand.

William F. Weller, for 21,000 granite blocks, at $60.00 per thousand.

The Guilford & Waltersville Granite Co., for 50,000 granite blocks, at $64.40 per thousand.

Oliver & Peach, for 840 feet of six-inch kerb, at 79 cents per foot, and circles at 85 cents per foot.

John Harris, for 2,100 feet of gutter stones, at 22 cents per foot.

Leonard & McGovern, for sand, at 57 cents per cubic yard.

The greater part of this work, lying between Centre and Mulberry streets, has been completed. The remaining part, that between Mulberry and Saratoga streets, could not be done, as the street bed has been obstructed for months by building materials.

The work will be completed in the spring or summer of 1891.

Ordinance No. 101, approved May 28, 1890, to repave Dolphin street, from Madison avenue to Eutaw Place, with Belgian blocks.

This work was done by Louis Schmidt, under contract with the Mayor and City Council.

Statement of Quantities and Costs.

Belgian blocks, paving 1,385$\frac{7}{10}$ square yards, at $2.40	$3,325	68
Belgian blocks, paving 415$\frac{4}{10}$ square yards, at $2.60	1,080	04
New flagstones, 5,620 square yards, at 30 cts.	168	60
Flagstones reset, 882 square yards, at 8 cts.	70	56
New six inch kerb, 175$\frac{5}{12}$ lineal feet, at $1.00	175	42
New six-inch circles, 4$\frac{5}{12}$ lineal feet, at 2.00	8	84
Kerb reset in Dolphin street, 657$\frac{1}{2}$ lineal feet, at 15 cents	98	62
Kerb reset in Cross street, 313$\frac{1}{4}$ lineal feet, at 10 cents	31	33
New gutter stones, 848$\frac{2}{3}$ lineal feet, at 27 cts.	233	38
Repaving in Cross street, cobblestone, 6,601 square feet, at 3 cents	198	03
Repaving in Cross street, Belgian blocks, 218$\frac{7}{10}$ square feet, at 5 cents	10	94
Incidentals, engineering, &c	189	98
Total cost	$5,591	42

Louis Schmidt's contract for repaving Dolphin street embraced that portion of said street lying between the flags on the east side of Madison avenue and the flags on the west side of Eutaw street. It was subsequently found advisable to extend the repaving to the east side of Eutaw place, which was done by the contractor at an advance in price of twenty cents per square yard, as shown above.

Ordinance No. 1, approved November 18th, 1890, to repave Cathedral street, from the south side of Mount Royal avenue to the north side of Oliver street, with Belgian blocks. Work done by labor employed by the day.

Contracts for materials were made with—The Woodstock Granite Co. for 20,000 granite blocks, at $65.00 per thousand, also 180 feet of six-inch kerb, at 90 cents per foot.

The Guilford & Waltersville Granite Co., for 50,000 granite blocks, at $75.00 per thousand.

John Harris, for gutter stones, at 22 cents per foot.

M. F. Leonard, for sand, at 68 cents per cubic yard.

Statement of Quantities and Cost.

Number of Belgian blocks	68,440
Number of lineal feet of new kerb	199½
Number of lineal feet of new circles	10½
Number of lineal feet of new gutter stones	381⅙
Number of square feet of new flagstones	440
Total cost of work	$8,037 71

Ordinance No. 175, approved November 16th, 1889, to repave the intersection of Howard and Camden streets with Belgian blocks.

The execution of this ordinance has been postponed, in view of the fact that the Belt Line Railroad Co.

will, in all probability, open the street at the point named during the coming year.

Ordinance No. 116, approved June 5, 1890, to repave the following-named streets contiguous to the Lafayette Market with sheet asphalt.

Patterson avenue and Sewell street, from the west railway track on Pennsylvania avenue to the west side of Fremont street, and Fremont street, between Patterson avenue and Sewell street.

This work was done by Isaac S. Filbert, under contract with the Mayor and City Council.

Statement of Quantities and Cost of Paving Streets.

Surrounding Lafayette Market with sheet asphalt, asphalt paving, including granolithic gutters, 5,245 sq. yards at $2.75	$14,423	75
New kerb stones, 1,204⅙ lineal feet, at 62 cents	746	58
New kerb circles, 33⅓ lineal feet, at $1.24	41	33
New flagstones, 211½ square feet, at 35 cents	74	03
Old kerb dressed and set, 1,117⅓ lineal feet, at 25 cents	279	33
Old kerb circles dressed and set, 24½ lineal feet, at 50 cents	12	25
Old flags dressed and set, 101¼ square feet, at 10 cents	10	13
Amount carried forward	$15,587	40

Amount brought forward	$15,587 40
Old kerb furnished, 17 lineal feet, at 25 cents	4 25
Old flags furnished, 234¼ square feet, at 10 cents	23 43
Extra concrete, 17½ cubic yards, at $6.50	113 75
Stone cutter's time, 8¼ days, at $4.50	37 13
Cobble repaving, incidentals, engineering expenses, &c.	882 25
	$16,648 21

The appropriation for this work was $15,500, and the cost of the same amounts to $16,648.21, which I respectfully ask may be appropriated.

The principal part of the additional cost consists of new kerbing, circles and flagstones, which had to be purchased, resetting and dressing old kerbstones and flagstones, and also repaving cobblestone pavements to connect with the new asphalt pavement.

Ordinance No. 127, approved June 10, 1890, to repave the following-named streets, contiguous to the Hanover market, with sheet asphalt:

Camden street, from the west side of Hanover street to the west side of Sharp street; Dover street, from the west side of Hanover street to the east side of Sharp street; Camden lane, from Dover street to Camden street.

Work done by contract. Isaac S. Filbert, contractor.

Dover street, from Hanover to Sharp street, and Camden lane, from Dover to Camden street have, been completed.

The repaving of Camden street, between Hanover and Sharp streets, has been postponed, pending the construction of a tunnel under Camden street by the Belt Line R. R. Co., which work will, in all probability, cause more or less settlement of the street bed.

Ordinance No. 105, approved April 23, 1890, to repave the Fell's Point market, from the south side of Broadway Institute to the south side of Canton avenue, with sheet granolithic.

Work done by contract. J. H. Thorman & Company, contractors.

Work Done.

Granolithic paving, 775 sq. yards, at $1.80	$1,395 00
Incidentals	96 02
Total cost	$1,491 02

In June, 1890, the Court of Appeals of Maryland rendered a decision in the case of Ullman *vs.* the Mayor and City Council of Baltimore, which decision invalidates the law under which the cost of repaving, &c., has heretofore been assessed upon the property binding on the street or streets repaved. After consultation with the City Counsellor, and in accordance with his

opinion and advice, the City Commissioner determined to complete the repaving of streets for which contracts had been made and upon which work had begun, and to hold in abeyance the execution of the following ordinances for work which had not been commenced:

Ordinance No. 143, passed over the Mayor's veto, June 2, 1890, to repave Pennsylvania avenue, from the north side of Franklin street to North avenue, with Belgian blocks.

Ordinance No. 98, approved May 26, 1890, to repave McCulloh street, from the north side of Biddle street the to south side of North avenue, with asphalt blocks.

Ordinance No. 152, approved July 2, 1890, to repave Read street, between Charles and Cathedral streets, with asphalt blocks.

FLAGSTONES LAID IN 1891.

Charged to "Flags and Stepping Stones."

Location.	No. of Rows.
Calvert, near Saratoga street	2
Courtland and Pleasant streets	1
Broadway, between Chase and Eager streets	2
Gay and Ann streets	1
Broadway and Barnes street	1
Greenmount avenue and Biddle street	2
Preston and McKim streets	1
Richmond and Biddle streets	1
Eastern avenue and Caroline street	1

Fawn and High streets	1
Smallwood and Mary Ann streets	2
Smallwood and Ramsay streets	1
Hillen and Front streets	1
Hillen and High streets	1
Collington avenue and Blood alley	1
Collington avenue and Fayette street	1
Patterson Park avenue and Orleans street	2
German and Arch streets	1
Sharp and Henrietta streets	2
Parkin and Hollins streets	1
Vine street and Fremont avenue	2
Stricker street and Riggs avenue	1
Lafayette avenue and Calhoun street	1
Haubert and Nicholson streets	1
Light and Ostend streets	1
Light and Clement streets	1
Beven and Henrietta streets	1
Leadenhall and Henrietta streets	2
Camden near Howard street	1
Light near Lee street	1
Patuxent and Hudson streets	1
Bank and Register streets	1
Register and Baltimore streets	1
Madison street and Broadway	1
Fort avenue and Burrows street	1
Burke and Fayette streets	1
McElderry and Washington streets	1
Boston street near Patterson Park avenue	1
Gilmor and Calhoun streets	1

Cumberland and Calhoun streets	1
Fremont avenue and Pearce street	1
Fremont avenue and Sarah Ann street	1
Myrtle avenue and Sarah Ann street	1
Pine and Sarah Ann streets	1
Baltimore and Exeter streets	1
Patterson avenue and Mount street	1
Wilhelm and Monroe streets	1
Alley north side of Gay street, near Ann street	1
Hudson and Chesapeake streets	2
Park avenue and Mosher street	1
Park avenue and Townsend street	3
Linden avenue and Dolphin street	1
Clifton and Mary streets	2
Fulton avenue and Mary street	1
Clifton and Francis streets	1
Park avenue and Lenox street	2
Republic street and Gorsuch avenue	1
Republic and Jefferson streets	1
Jefferson street and Tinges lane	1
Calvert and Fifth streets	1
Calvert and Fourth streets	1
Colvin place and Greenmount avenue	1
York road near Huntingdon avenue	1
Monument near Ann street	1
Biddle street and Argyle avenue	1
Biddle and George streets	1
Pennsylvania avenue and George street	2
North avenue and Tenth street	1
Gittings and Light streets	1

Randall and Hanover streets	1
Eastern avenue and Bradford alley	1
Lafayette avenue and Carey street	1
North avenue and Washington street	1
Total	87

Amount of appropriation	$5,000 00
Amount expended	4,999 00
Balance	$1 00
Average cost per row	$57 46

The above-named crossings were furnished by James H. Atkinson, at the following prices:

Flags, 20 cents per square foot.
Blocks, $1 per square yard.

GUTTER PLATES LAID DURING 1890.

Resolution No. 82, approved April 11, 1890, to remove the gutter plates and place granite flagging over gutter across Calvert street, on the south side of Madison street.

Appropriation	$1,400 00
Cost of work	1,039 55
Balance	$360 45

The granite flags were furnished and set by Gill & Johnson at $1.74 per square foot.

Resolution No. 91, approved April 18, 1890, to place iron gutter plates over the east gutter at Bank and Chester streets; cost taken out of the general appropriation for gutter plates.

General appropriation for gutter plates.....	$1,000 00
Cost of plates at Bank and Chester streets..	677 57
	$322 43
Cost of gutter plate repairs, &c	117 63
Balance.....	$204 80

Resolution No. 41, approved March 12, 1890, to place iron gutter plates at the intersection of Exeter and Lombard streets.

Plates were put down over the north gutter at this point.

Appropriation	$800 00
Cost of work.....	330 82
Balance.....	$469 18

It was originally intended to plate both the north and south gutters at this point, but work on the south gutter was prevented by the operations of the Baltimore Traction Company.

Resolution No. 170, passed over Mayor's veto April 10th, 1890, to place gutter-plates across Pratt street, on the west side of Fulton avenue.

Appropriation	$350 00
Cost of work	346 43
Balance	$3 57

The iron gutter-plates were furnished by the Campbell & Zell Co. at $1\frac{3}{16}$ cents per pound, and were put down by day's labor.

Ordinance No. 158, approved July 18th, 1890, to construct a bridge over Chatsworth Run, on the line of Russell street.

This work was commenced early in January, 1891, and will be done by day's labor, a pile driver and engine with the necessary force of men having been hired for the purpose.

SOUTH MONROE STREET BRIDGE.

Ordinance No. 129, approved June 11th, 1890.

The contract for the construction of the masonry and superstructure of this bridge was given to the Youngstown Bridge Co, of Youngstown, Ohio. Contract price, $27,563.

Excavations for the masonry were commenced in the latter part of November, 1890. The north abutment is now nearly completed, and the work upon the south abutment and pedestals will be pushed forward as rapidly as possible.

EXTENSION OF WOLFE STREET SEWER.

Ordinance No. 163, passed over the Mayor's veto.

This ordinance provides for the construction of a sewer in Wolfe street, between Jefferson street and Fairmount avenue, at which last-named street the new sewer will connect with an existing sewer.

The amount appropriated is $5,000. I find that $15,000 more or less will be required to construct the work properly.

Below is the report of operations in connection with the reconstruction of Light Street Bridge, by Mr. John W. Bollman, Engineer in Charge.

NEWTON M. GRAY,

Asst. City Commissioner.

RECONSTRUCTION OF LIGHT STREET BRIDGE.

On January 1st, 1890, the force employed was forty-eight men, not including the engineer in charge and his assistants, and as the material was received and men could be worked to advantage it was increased to sixty-five men until the 15th of March. During this time there was a little delay in receiving some of the sizes of lumber required.

The work done in lineal feet of bridge during this period was as follows: 1,260 feet of old bridge torn up; 372 piles cut off in 1,125 feet, in 40 working hours;

1,161 feet of trestles put up; 1,366 feet of joist; 1,351 feet of lower floor; 958 feet of upper floor and 1,343 feet of sidewalk floor laid and hand-railing put in place.

This portion of the work, lying between the south end of the bridge and the strawberry wharf, was constructed under great difficulty, the water being so shallow on the flats when the tide was low enough to cut off the piles, that it was impossible to float a stage from which the men could work, and consequently, they were compelled to stand in mud up to their knees.

Between March 15th and 22d, we received about 500,000 feet of lumber; the force was then gradually increased until it numbered 91 men. The amount of work done, in lineal feet of bridge, from March 15th to April 24th, being 30 working days, was as follows: 1,180 feet of old bridge torn up; 10 piles driven and 476 piles cut off in 1,421 feet in 50 working hours; 1,517 feet of trestles put up; 1,615 feet of joist; 1,641 feet of lower floor; 2,094 feet of upper floor and 1,794 feet of sidewalk floor laid and hand-railing put in place; and in addition, there were 58 lineal feet of temporary bridge constructed of joist, flooring and hand-railing, to make connection from the new bridge to the old draw, and must be removed and rebuilt when the new bridge is continued to the north shore. This completed the new bridge between the south pier of the old draw and the south end of the bridge on the Anne Arundel County shore.

A lumber wagon was employed and part of the time a second wagon was required to haul the old material to the shore as the bridge was torn up.

On April 8th commenced driving piles for the temporary bridge, which is over eight hundred feet long and extends around that portion of the old structure necessary to be torn up, for constructing the foundation of sub-structure for the new swing bridge. This was rendered necessary to accommodate the constant travel over the bridge.

On April 30th the work was stopped, after one hundred and twenty-four piles were driven, part of them capped and some joists and flooring put in place. Work was resumed again on June 25th and the temporary bridge completed July 10th.

On July 17th commenced tearing up the old structure and began driving piles for the foundation of the swing bridge. One hundred piles have been driven in a space of twenty-eight feet square for the pivot pier, these piles are from eighty to eighty-six feet long ; ten to fifteen inches diameter at small end, and from twenty to twenty-three inches diameter at large end, and were driven from sixty to sixty-five feet into the bed of the river, and are cut off fifteen feet six inches below mean low tide; the saw and its machinery for this purpose costing $751.49. The actual time in cutting off, moving machine and getting pile heads out of the way, was seven hours and thirty-one minutes. The shortest time consumed in sawing off one pile was 5 seconds.

Upon these piles a grillage of 12x12 Georgia pine, twenty-nine feet square by fourteen feet high, containing with its coffer dam over 102,500 feet of lumber, has been sunk, and is now ready to receive the masonry, to be commenced in a few days if the weather permits, and upon which the turn-table of the swing bridge rests.

The west protection of this pier comprises 44,100 feet of natural and 31,344 feet of creosoted lumber, resting upon 123 piles ranging in length from 72 to 81 feet, cut off one foot below mean low tide. The east protection, 52,452 feet of natural and 37,536 feet of creosoted lumber, resting upon 144 piles from 67 to 77 feet in length, cut off the same as those on the west side.

The south end bearing pier of the swing bridge contains 54 piles from 70 to 80 feet long, and the north one the same number of piles from 60 to 70 feet long, all cut off one foot below mean low tide.

The north pier is built up to within one foot of the bridge seat, and has 10,152 feet of natural and 18,744 feet of creosoted lumber in place, and the south pier is built up to within three feet of the bridge seat, and has 10,152 feet of natural and 12,496 feet of creosoted lumber in place.

The east protection wing of the north pier contains 36 piles from 40 to 57 feet long, and the west wing the same number of piles from 60 to 69 feet long. The

east and west wings of the south pier contain 36 piles each from 65 to 69 feet long. All these piles are cut off one foot below mean low tide. Each of these wings contain 19,632 feet of natural lumber, or a total for the four wings of 78,528 feet.

All the bolts used in the work below a point two feet above mean low tide are galvanized.

The average force employed, after the temporary bridge was completed and the work was resumed, July 17th, in tearing up the old structure and putting in the sub-structure of the swing bridge, was 45 men, and the number of feet of natural lumber used was 297,884 feet, and of creosoted lumber 100,120 feet. All of the 619 piles used in this part of the work, being very large, had to be sized down so as to be entered between the guides of the pile-driver.

The total amount of lumber handled since January 1st, including the temporary bridge, was 1,367,731 feet. It must be borne in mind that none of this lumber was handled less than four, and some five and six times; the only place to store it being one mile from the bridge site. It had to be thrown overboard and rafted, or loaded on a scow, towed to and unloaded on bridge, worked and then put in place. Where the water was shallow, it was necessary to strip the raft or throw it overboard from the scows, tow it by row-boats to pile driving machine to be hoisted on bridge when the tide would permit, or be hauled up by hand.

A dredging machine will be put to work in a few days to excavate the bar between the north shore and the north end bearing pier of the swing bridge, in order to drive piles, and at the same time the material excavated will be used in filling the protection piers.

The contract for the swing bridge has been awarded to the King Iron Bridge and Manufacturing Company of Cleveland, Ohio, for the sum of $20,746.00, and is now ready to be shipped and erected as soon as the masonry is finished.

Appropriation		$160,465 00
Expended in the year 1889	$ 7,375 22	
Expended in the year 1890	94,012 34	
		101,387 56
Balance		$59,077 44

Respectfully submitted,

JOHN W. BOLLMAN,

Engineer in Charge.

The report of Mr. Charles A. Hook, Assistant City Commissioner, is herewith submitted.

I beg leave to call attention to his suggestions in relation to the establishment of grades in the Annex, which are in fact a reiteration of my remarks on the same subject in my report for last year, pages 62 and 63. I would particularly call attention again to the

importance of having the boundary lines between the City and County marked by the immediate planting of stone posts at suitable distances. The wooden stakes which were placed to mark it have all disappeared.

A. E. Smyrk, Esq., City Commissioner:

SIR—I herewith submit my Annual Report for the year ending December 31st, 1890.

BOSTON STREET BRIDGE.

By Ordinance No. 79 of 1889, $19,000 was appropriated to complete works suitable for a terminus of the Harford Run Sewer at Tide Water.

The work consisted in tearing away the old wooden structure, which covered a marsh of about 100 feet in length in the bed of Boston street, the building of a bridge in its place, with a span of 26½ feet, and the construction of retaining walls along the southwest side of Boston street.

The masonry, which consists of first class ranged work, is built on a pile foundation. The bridge consists of iron girders, which span the abutments, with a double flooring of Georgia pine planks 2½ and 3 inches thick.

The retaining walls, which are also built on a pile foundation, are capped with coping stone axed to a smooth surface, on which is set an iron railing.

The approaches to the bridge are paved with Belgian blocks. In connection with this work it was necessary to construct four small inlets. This work, standing at the mouth of Harris Creek, the termination of the Harford Run Sewer at Tide Water, is subject to the test of severe floods drained from an area of 900 acres. This being the case, no pains were spared in the construction of the work, all of it having been done in the most permanent manner possible. Since the completion of the retaining walls, the basin adjoining has been dredged to a depth of about 20 feet, which previously was unavoidably an exposed mass of vegetable matter liable to produce disease in the neighborhood.

Names of Contractors and Prices for Materials used in Boston Street Bridge.

Benjamin Glenn, furnished and drove round piles for 12 cents per foot, sheet piling for $31 per thousand feet, B. M., sheet piles furnished by City driver for $7 per thousand feet, B. M.

John Curley furnished and delivered cut stone (rock ashlar) at $9 per cubic yard, cut stone (coping) at 37.83\frac{8}{10}$ per cubic yard, rubble backing at $4.55 per yard.

P. M. Womble furnished and delivered G. P. lumber at $24 per thousand feet, B. M.

John Bullock & Son furnished F. O. Norton Ros. cement, $1.35 per barrel; Round Top cement, $1.40 per

barrel; Portland cement, $3.00 per barrel, less 5 cents for all empty barrels returned.

Youngstown Bridge Co. furnished, delivered and erected the bridge, including railing, as per their proposal, for the sum of $1,392.00.

H. Ashton Ramsay furnished, delivered and erected railing on retaining walls for $3.15 per linear foot.

All other work was done by the day.

Appropriation	$19,000 00
Expended	17,686 55
Balance	$1,313 45

WOLFE STREET SEWER.

By ordinance No. 79, of 1889, $38,700 was appropriated to build a sewer, from Eager street, connecting with the Harford run division sewer near Wolfe street, in Wolfe street to intercept the northern extension of Harford run.

The main sewer has been completed and is now operating, as intended. The objects and advantages of this sewer have been stated in previous reports. For this reason, I only submit the following figures without further comment:

Shape of sewer, circular.

Size of sewer, 8 feet diameter.

Built of Brick, with stone invert, and supported with spandril walls of masonry.

Length, 1,640 feet.

Number of inlets, six.

The inlets are now in the course of construction, and with three or four weeks of suitable weather, will be completed.

Sewer blocks furnished by Guilford & Watersville Granite Co., $2.86 per square yard.

Bricks furnished by Smith & Schwartz at $7.40 per thousand.

Rubble stone furnished by John Schwind at $1.70 per cubic yard.

Sand furnished by Jas. P. McGovern at 87½ cents per cubic yard.

Cement furnished by C. C. McColgan Co. at $1.20 per barrel, with ten cents off for empty barrels.

Appropriation		$38,700 00
Expended in 1889	$ 5,643 68	
Expended in 1890	31,964 38	
		37,608 06
Balance		$1,091 94

In pursuance of your instructions, a sewer has been constructed from Wolfe street, in Federal, to Washington street; also inlets on the corners of Wolfe and Federal, Wolfe and Oliver, and Wolfe and Lanvale streets. The cost to be taken out of the appropriation for repairs of sewers.

The sewer, which is three feet by two feet, is built of the best Georgia heart pine lumber, is 340 feet long, and has two inlets on the corner of Wolfe and Washington streets.

Four other inlets were built in connection with this work.

Amount expended, $2,059.66.

CROSS STREET SEWER.

The construction of this sewer was begun 18th of November of this year, commencing with the excavation at the east terminus of the sewer. The trench has been excavated for a distance of 250 feet, from which 1,500 cubic yards have been removed. Piles are being driven to an average depth of 27 feet below the grade line of the sewer. The necessary platform is being built, and about 100 linear feet of the same has been completed. Two shafts have been sunk to grade, the headings have been started, and in a few days the brick work will be commenced.

Appropriation	$112,000 00
Expended	4,339 82
Balance	$107,660 18

BRIDGES, ROADS, ETC., IN THE ANNEX.

The appropriation for roads and bridges having been more liberal than usual, there has been considerable more work done than the year previous.

The following statement refers to work done by special ordinances or resolutions:

Remington avenue, William street, First avenue, Chestnut avenue, Third avenue to Falls road, Macadamized with broken stone, check dams built, ditches cleaned, &c.

Amount appropriated	$2,500 00
Expended	2,499 70
Balance	$0 30

Gilmor lane thoroughly repaired with gravel and shells.

Amount appropriated	$800 00
Amount expended	780 64
Balance	$19 36

Reece street shelled.

Appropriated	$300 00
Expended	278 50
Balance	$21 50

Quaker lane from old York road to Walpert street.

Appropriated	$100 00
Expended	78 04
Balance	$21 96

Old Yord road, thoroughly repaired from toll gate to City terminus with shells.

Appropriated	$1,000 00
Expended	952 93
Balance	$47 07

Hillen road, generally repaired with broken stone.

Appropriation	$500 00
Expended	476 95
Balance	$23 05

Jenkin's lane, partly repaired with shells.

Appropriation	$250 00
Expended	233 33
Balance	$16 67

Grading Cedar avenue. Made necessary by raising Cedar Avenue bridge.

Appropriation	$1,700 00
Expended	1,683 74
Balance	$16 26

Jefferson Street Culvert.

The construction of this culvert was awarded to Henry Fox (the lowest bidder) at the following prices:

Excavation, 25 cents per cubic yard.
Stone pavement, $4 per cubic yard.
Rubble masonry, $4 per cubic yard.
Sheeting, $4 per cubic yard.
Coping, 25 cents per square foot.
Lumber furnished and laid, $50 per thousand feet, B. M.

Appropriation	$1,500 00
Expended	1,486 62
Balance	$13 38

The object of the above culvert was intended to make Jefferson street passable for vehicles across the stream at this point.

This has been accomplished, but until the grades east and west of the culvert are established so that the abrupt hills can be cut down, the street will be of little benefit, except for the travel of light vehicles.

Park Heights Avenue.

This avenue was thoroughly shaped up, from its entrance into Druid Hill Park to the City limits. The work consisted in laying a solid bed of hard stone for a foundation, upon which was placed a bed of disintegrated rock. New drains were made. The abrupt hill at the crossing of the old Pimlico road was cut down, ditches were thoroughly cleaned out, and old drains repaired.

There were used in the making of this avenue 5,982¾ perches, or 7.977 cart loads, of material.

William A. Hare contracted to furnish and haul the material for the following prices:

Section No. 1, 71 cents per cubic yard.
Section No. 2, 77 cents per cubic yard.

The work of placing the material, the grading, ditching and pipe laying, were done by days' labor.

Appropriation	$6,000 00
Expended	5,995 70
Balance	$4 30

Calverton road, from Baltimore street to Franklin turnpike, thoroughly repaired one hundred and forty linear feet of new gutter paved, and two hundred linear feet of box drains laid in Calverton.

Appropriation	$2,000 00
Expended	1,995 35
Balance	$4 65

Board Walk, Calverton Road.

Appropriation	$100 00
Expended	99 91
Balance	$0 09

Third avenue, from Falls road to Sycamore street graveled for a distance of 1,500 feet.

Repaired Union avenue, from Falls road to Northern Central Railway tracks (distance 2,240 feet).

Woodberry lane partly repaired.

Appropriated for the above	$1,000 00
Expended	998 62
Balance	$1 38

Millington avenue thoroughly repaired, from Frederick road to Wilkens avenue.

Wilkens avenue graveled in centre of roadway to City limits.

Appropriated for the above roads	$1,000 00
Expended	999 61
Balance	$0 39

WORK DONE OUT OF GENERAL APPROPRIATION FOR ROADS AND BRIDGES.

New bridge over Reece street.

Box sewer 80 feet long on Reece street.

New bridge, including one new stone abutment and repairs to the abutment on Quaker lane.

New bridge on Gorsuch avenue. Repaired foundation and abutment walls of same.

Two new bridges on Beach avenue.

New bridge on Myrtle avenue.

New bridge on Morris avenue.

New bridge on Franklin street.

New floor on bridge over Baltimore and Potomac R. W., Edmondson avenue, and repairs to others.

The following roads were repaired :

Morris avenue, Garrison lane, old Frederick road, Windsor Mill road, Garrison avenue, Slingluff avenue, old Liberty road, Pimlico road, North avenue, Edmondson avenue, Huntingdon avenue, Guilford avenue, Quaker lane, Roland avenue, Eleventh street, Mine Bank lane, Woolford avenue, Gorsuch avenue and others.

Paved new gutter across North avenue at Windsor Mill road. Paved new gutter across Cedar avenue at Third street.

SUGGESTIONS.

Cedar avenue, just south of Merryman's lane, is made by a very deep fill. In its construction the road bed was barely made wide enough to pave small gutters. In large rains the gutters overflow and wash down the embankment. This has happened on several occasions, and once last season it was washed nearly half way into the road bed. It was one of those cases which had to be immediately repaired, the cost of which had to be taken from the sum intended for general repairs. An appropriation should be made to widen these embankments. A great many of the culverts are in bad condition and repairs in time would save the City large sums of money. A portion of the large culvert under Remington avenue, which carries the Stony run branch, is in need of immediate repairs. One of the wing walls has been undermined and has been washed out of its proper position. The arch is badly cracked at one end and its foundation is threatened with being undermined. Should this culvert give way one of the most important business highways leading from the City to Hampden and Woodberry would be cut off. All the iron bridges in the Annex need adjusting and paint. There should be an arched culvert built over Dead run in place of the bridge, which is constantly getting out of repair. Edmondson Avenue Bridge over Gwynn's Falls needs new flooring. These few suggestions are made in cases of immediate need.

In previous reports, I have called your attention to some needed legislation, whereby a system of grades could be established for the streets and avenues of the Annex. As I have heretofore said, and of which you are aware, there has as yet been no permanent or confirmed location of the new boundary line between the City and Baltimore County. This, with an accurate survey of all water-sheds, roads, streams, and with maps prepared for reference, establishing a basis for improvements in the Annex, presents itself to my mind as something, beyond question or doubt, essential to an intelligent performance of the duties devolving upon the officers of your department. A good illustration of the need of some such plan can be seen on Jefferson street, where the new culvert has just been built.

Roads and avenues have been laid out to suit local interests. The question of drainage in most cases has not been considered. Rows of houses are built along roads and avenues to suit the lay of the natural ground, and improvements of this character are going on without proper system, a continuation of which means a part of the City built up and improved along highways badly located, with impracticable grades, and a defective drainage, which in many cases will be very expensive to remedy, and in others impossible (practically speaking) to remedy at all.

I refer again to these methods in use simply in the spirit of duty, as I would like to see the territory re-

cently acquired by the City improved upon an intelligent, preconceived plan, made for the general good of all concerned.

Respectfully,

CHAS. A. HOOK,

Asst. City Commissioner.

PROPOSED BRIDGE OVER THE TRACKS OF THE B. & P. AND W. M. RAILROADS.

I have had plans and specifications for this bridge prepared, as directed by the Mayor and City Council, and will submit them after the assembling of the Council. I would respectfully suggest, that, in my opinion, it would be inadvisable to proceed with this work, for various reasons. For instance: its northern terminus would be in the freight yard of the Western Maryland Railroad, which certainly would be a very dangerous thing for both vehicles and pedestrians. Moreover, from the end of the bridge to the level of the tracks of that railroad, a distance of 100 feet, the descent would be 27 feet, an impracticability. By opening Winchester street from Monroe street to Fulton avenue, a distance of one square or block, the necessity for building this bridge would be avoided, and vehicles and persons saved from the danger of crossing the railroad yard. I have had several conferences with the officials of both roads, and their opinions are in general agreement with mine. Before any further action is taken by the City Council, the

Committees on Bridges and Highways ought, by all means, to have a full conference with the railroad authorities on the ground.

GRADES ESTABLISHED.

1890.

January 31—Castle street, from North avenue to Townsend street.

February 13—Allen street from Fort avenue to the tracks of the Baltimore and Ohio Railroad Company.

March 24—Mulberry street, from Vincent alley to Fulton avenue.

April 28—Druid Hill avenue, from North avenue to Fulton avenue, re-established.

April 28—Carey street, from a point about two hundred and fifty feet northwest of Cumberland street to North avenue.

May 7—Cannon street, from Baltimore to Monument street.

May 7—Cannon street, from Biddle to Oliver street.

May 7—Patterson Park avenue, from Biddle to Oliver street.

May 9—Russell street, from Ostend to Wooster street.

May 26—Little Forest street, from Preston to Biddle street.

May 26—Madeira alley, from Fairmount avenue to Baltimore street.

1890.

May 30—Collington avenue, from Fayette to Monument street.

June 2—Eden street, from Federal to Lanvale street.

June 9—Baker street, from Druid Hill avenue to Division street.

June 10—Beverlin street, from Marshall to Charles street.

June 25—Fulton avenue, from Druid Hill avenue to Reisterstown road, re-established.

June 25—Francis street, from Fulton avenue to Retreat street, re-established.

July 15—Park avenue, from Reservoir street to Monnt Royal avenue.

October 2—Ann street, from Oliver to Lanvale street.

October 9—Johnson street, from Randall to Heath street.

October 27—Mulberry street, from Monroe to Bentalou street.

List of Streets directed to be graded, paved etc., but which were not advertised on account of decision of the Court of Appeals, in the case of Ulman vs. Mayor and City Council.

Read street, between Charles and Cathedral, Asphalt blocks, ordinance 152, of 1890.

Lawrence street, between Fort avenue and Clement street, ordinance 149, of 1890—cobblestones.

Scott street, between Stockholm and Ridgeley streets, ordinance 148, of 1890—cobblestones.

Pulaski street, from Baltimore street to Frederick avenue, ordinance 147, of 1890—cobblestones.

West street, from Ridgeley to Burgundy alley, ordinance 142, of 1890—cobblestones.

Biddle street, between Bond and Broadway, ordinance 128, of 1890—cobblestones.

Pennsylvania avenue, from Franklin to North avenue, ordinance 143, of 1890.

Burke street, from East Baltimore to Monument street, ordinance 118, of 1890—cobblestones.

Stockholm street, from Paca to Scott street, ordinance 122, of 1890—cobblestones.

Calhoun street, from Presstman to Gold, ordinance 109, of 1890—cobblestones.

Fairmount avenue, from Patterson Park avenue to Luzerne, ordinance 102, of 1890—cobblestones.

Race street, from Hanover to Cross streets, ordinance 103, of 1890—cobblestones.

McCulloh street, from Biddle to North avenue, ordinance 98, of 1890—asphalt.

Calhoun street, from Gold to Baker, ordinance 93, of 1890—cobblestones.

Carey street, from Presstman to Chappell, ordinance 92, of 1890—cobblestones.

Gold street, from Druid Hill avenue to Madison avenue, ordinance 91, of 1890—cobblestones.

McElderry street, between Patterson Park avenue to where paved, ordinance 96, of 1890—cobblestones.

Two alleys between Harlem and Edmondson avenues, ordinance 97, of 1890—cobblestones.

Two alleys between Arlington avenue and Schroeder streets, ordinance 97, of 1890—cobblestones.

Riggs avenue, from Kirby's lane to western limits, ordinance 57, of 1890—cobblestones.

Druid Hill avenue, from North to Fulton avenue, ordinance 47, of 1890—cobblestones.

Richardson street, from Fort avenue to Clement street, ordinance 33, of 1890—cobblestones.

Beverlin street, from Patapsco to Charles, ordinance 32, of 1890—cobblestones.

Beverlin street, from Marshall to Patapsco street, ordinance 31, of 1890—cobblestones.

Collington avenue, from Fairmount to Monument, ordinance 23, of 1890—cobblestones.

Eden street, from Federal to Lanvale street, ordinance 27, of 1890—cobblestones.

Streets for which contracts were given out before the decision of the Court of Appeals in the case of Ulman vs. City of Baltimore was made, and which were completed and the following sums paid, none of whtch has been collected.

Washington avenue from Putman to Kent street	$5,831 54
Fulton avenue from Baker Circle to North avenue	6,657 60
Federal street from Eden to Washington.	12,692 92
Mulberry street from Mount to Fulton avenue	959 64
Oliver street from Bond to Washington..	7,750 62
East Baltimore street at Patterson Park avenue	148 72
Falls Road from Maryland to North avenue	8,977 14
Federal street from Cannon to eastern limits	10,443 17
Clement street from William to Light (paid in part)	545 30
Monroe street from Baltimore to Winchester (paid in part)	4,358 24
East street at Low street	1,129 13
Cathedral street from Madison to Mount Royal avenue—Belgian blocks	37,225 59
Cathedral street from Mount Royal avenue to Oliver street—Belgian blocks	7,919 31
Cathedral street from Centre to Saratoga street—Belgian blocks	13,377 26

Madison avenue from North avenue to Park Gate—Belgian blocks.....	15,059 47
Monument street from Park avenue to Howard street—Belgian blocks.....	4,555 59
	$137,631 24

A much greater amount of work was done during this year than in previous years, especially in the construction of new sewers. The workmanship of these new sewers will compare favorably with similar work anywhere.

A number of ordinances (twenty-six) were passed by the Mayor and City Council in the early part of the year, which could not be executed on account of the decision of the Court of Appeals in the case of Ulman *vs.* the Mayor and City Council of Baltimore.

I respectfully call attention to the cramped condition of this office so far as space and properly arranged cases for plats and other papers are concerned. One large room, at least, ought to be allotted to this department, in addition to those now occupied.

The several employees of the department have rendered their usual good service during the year.

Respectfully,

A. E. SMYRK,

City Commissioner.

TABLES.

TABLE A.

Showing the Amounts of Appropriations and the Balances due on the several Appropriations for the year ending December 31, 1890.

Accounts.		Appropriations.	Amounts paid.	Amounts undrawn.
Repairs of sewers and inlets	$10,053 78			
Paid Register	3,779 36			
		$13,833 14	$ 9,831 62	$ 4,001 52
Flag and stepping stones		5,000 00	4,999 00	1 00
Repairs of paved streets	$80,000 00			
Paid Register	977 02			
		80,977 02	79,987 72	989 30
Repairs of unpaved streets		2,000 00	1,964 25	35 75
Repairs of bridges		6,763 08	6,742 36	20 72
Paving and repaving in front of City property		1,000 00	541 38	458 62
Paving new streets	$71,397 45			
Paid Register	461 70			
		71,859 15	71,397 45	461 70
Paving and repaving "cross streets"		37,310 93	20,560 47	16,750 46
Improvement of Jones' Falls	$9,979 52			
Paid Register	1,308 40			
		11,287 92	9,979 52	1,308 40

Repaving Monument street from Park avenue to Howard street..... $4,464 58			
Paid Register..... 30 00			
	4,494 58	4,464 58	30 00
Repaving Madison avenue from North avenue to park gate..... $9,117 11			
Paid Register..... 186 17			
	9,303 28	9,117 11	186 17
Repaving Cathedral street from Madison street to Mount Royal avenue.. $16,629 09			
Paid Register..... 47 00			
	16,676 09	16,629 09	47 00
Repaving Cathedral street from Centre to Saratoga street..... $13,377 26			
Paid Register..... 10 00			
	13,387 26	13,377 26	10 00
Repaving Cathedral street from Mount Royal avenue to Oliver street.....	8,037 71	8,037 71	.....
Iron gutter plates.....	1,000 00	795 20	204 80
Salaries.....	9,000 00	9,000 00	.....
Livery.....	600 00	424 30	175 70
Incidentals.....	100 00	49 53	50 47
Improvment Harford run (to enlarge inlets).....	100 00	100 00	.....
Amounts carried forward.....	$292,730 16	$267,998 55	$24,741 61

TABLE A—Continued.

Accounts.	Appropriation.	Amounts paid.	Amounts undrawn.
Amounts brought forward	$292,730 16	$267,998 55	$24,741 61
Gutter plates at Exeter and Lombard streets, Resolution 41, of 1890	800 00	330 82	469 18
Gutter plates at Fulton avenue and Pratt street, Resolution 170, of 1890	350 00	346 43	3 57
Trapping inlets, Lanvale and Calhoun streets, Resolution 29, of 1889	482 15	141 80	340 35
Trapping inlets, Baltimore and Carey streets, Resolution 51, of 1889	300 00	125 13	174 87
Trapping inlets, Lexington and Arch streets, Resolution 28, of 1889	165 62	5 40	160 22
Trapping inlets, South Broadway, Resolution 23, of 1889	129 79	2 50	127 29
Trapping inlets, South Broadway, Resolution 54, of 1889	94 36	92 38	1 98
Trapping inlets, Franklin and Carey streets, Resolution 52, of 1889	100 00	99 99	1
Trapping inlets, Central avenue, Resolution 73, of 1890	350 00	274 36	75 64

Trapping inlets, Fayette and Arch streets, Resolution 138, of 1890		1,050 00	1,045 58	4 42
Repaving Dolphin street, from Madison avenue to Eutaw place		5,051 28	5,051 28	.....
Sewer in Low street (balance)		74 96	74 96	.....
Sewer in Eager, Chase, Valley and Ensor streets	$47,342 85			
Paid Register	9 92			
		47,352 77	35,313 86	12,038 91
Sewer in Wolfe and Eager streets	$33,056 32			
Paid Register	132 62			
		33,188 94	31,964 38	1,224 56
Sewer in Pulaski street	$42,419 39			
Paid Register	2 92			
		42,422 31	31,853 87	10,568 44
Sewer in Fulton avenue		6,436 96	1,691 10	4,745 86
Sewer, Jenkins' run and Carter alley		54,323 23	29,664 65	24,658 58
Sewer, extension of above, north of North avenue		14,750 00	3,230 59	11,519 41
Sewer in Maryland avenue, Preston and other streets	$63,447 38			
Paid Register	14 67			
		63,462 05	52,893 15	10,568 90
Amounts carried forward		$563,614 58	$462,200 78	$101,413 80

TABLE A—Continued.

Accounts.		Appropriation.	Amounts paid.	Amounts undrawn.
Amounts brought forward		$563,614 58	$462,200 78	$101,413 80
Sewer in Presbury street and Bruce alley	$16,819 41			
Paid Register	44 60			
		16,864 01	3,782 71	13,081 30
Sewer in Eutaw and Fremont streets	$165,581 01			
Paid Register	3 33			
		165,584 34	67,427 95	98,156 39
Sewer to relieve Carey Street sewer		275,000 00	7,222 40	267,777 60
Sewer extension of Dolphin Street sewer		12,000 00	11,930 52	69 48
Sewer in Cross and Light streets		112,000 00	4,339 82	107,660 18
Sewer in Howard street		16,000 00	4,108 79	11,891 21
Sewer to connect with Wolfe Street sewer at Fairmount avenue		5,000 00	51 82	4,948 18
Sewer in Patterson Park		1,799 16	228 01	1,571 15
Bridge over Harris' Creek at Boston street	$18,867 43			
Paid Register	10 00			
		18,877 43	17,553 98	1,323 45

Bridges at Monroe St. over B. & O. and W. M. R. R.		28,250 00	396 10	27,853 90
Bridge over Chatsworth run at Russell street		5,000 00	63 94	4,936 06
To shell Eastern avenue		300 00	289 93	10 07
To shell Ferry Point road		300 00	144 27	155 73
To shell Fulton avenue		1,170 00	1,113 97	56 03
To shell Leadenhall street		100 00	100 00	
To shell Loney's lane	$600 00			
Paid Register	83			
		600 83	599 98	85
To shell North avenue		2,500 00	2,485 19	14 81
To shell Point lane		260 00	223 90	36 10
To shell Ridgely, Warner and Bayard streets		1,000 00	997 55	2 45
Fell's Point Market, to repave with sheet granolithic	$2,500 00			
Paid Register	24 00			
		2,524 00	96 02	2,427 98
Lafayette Market, to repave the streets around with sheet asphalt		15,500 00	882 25	14,617 75
Hanover Market, to repave streets around, with sheet asphalt		12,000 00	225 92	11,774 08
Light Street bridge, rebuilding	$153,089 78			
Paid Register	448 13			
		153,537 91	94,012 34	59,525 57
Amounts carried forward		$1,409,782 26	$680,478 14	$729,304 12

TABLE A—Concluded.

Accounts.		Appropriation.	Amounts paid.	Amounts undrawn.
Amounts brought forward		$1,409,782 26	$680,478 14	$729,304 12
Light Street bridge, to maintain		2,257 35	2,235 39	21 96
Board walk, Philadelphia road		500 00	434 40	65 60
Kerbing Fulton avenue, from Presstman street to Baker circle, paid Register		100 00	.....	100 00
Granite gutters, Madison and Calvert streets		1,400 00	1,039 55	360 45
Lexington street, from Charles to Calvert street, to regrade, &c		150 00	150 00	.....
McCulloh street, from Biddle street to North avenue, to repave with asphalt blocks		186 45	186 45	.....
Mount Royal avenue, improvement of		5,265 64	5,265 64	.....
Biddle Street bridge, maintenance of floor		259 68	259 68	.....
Calvert Street bridge, maintenance of floor		536 05	536 05	.....
St. Paul Street bridge, maintenance of floor		946 27	946 27	.....
Repairing streets; bridges; salaries—				
City Annex	$11,934 69			
Paid Register	160 00			
		12,094 69	11,934 69	160 00
Board walk, Calverton road, City Annex		100 00	99 91	09

Calverton road, to repair, City Annex	2,000 00	1,995 35	4 65
Cedar Avenue bridge, City Annex	59,317 93	59,282 84	35 09
Culvert in Jefferson street, near Waverly, City Annex	1,500 00	1,486 62	13 38
Grading Cedar avenue, City Annex	1,700 00	1,683 74	16 26
Gilmor lane, to shell, City Annex	800 00	780 64	19 36
Hillen road, to shell, City Annex	500 00	476 95	23 05
Jenkins' lane, to shell, City Annex	250 00	233 33	16 67
Millington and Wilkens avenues, to repair, City Annex	1,000 00	999 61	39
Shelling the Old York road, City Annex	1,000 00	952 93	47 07
Park Heights avenue, to Macadamize, City Annex	6,000 00	5,995 70	4 30
Shelling Quaker lane, City Annex	100 00	78 04	21 96
Remington avenue, First, Third and Chestnut avenues with broken stone—Annex	2,500 00	2,499 70	30
Reece street, to put in proper condition—Annex	300 00	278 50	21 50
Maiden's Choice road, to shell—Annex	42 29	40 32	1 97
Union and Third avenues and Woodberry lane—Annex	1,000 00	998 62	1 38
Paving the Falls Road	14 25	14 25	.....
	$1,511,602 86	$781,363 31	$730,239 55

TABLE B.

Showing the Amounts Required for the City Commissioner's Department for the Year ending 31st December, 1891.

ON WHAT ACCOUNT.	AMOUNTS.
Repairs of sewers and inlets	$10,000 00
Repairs of bridges	6,000 00
Repairs of bridges, deficiency for year 1890	228 63
Repairs of paved streets	85,000 00
Repairs of unpaved streets	2,000 00
Flag and stepping stones	5,000 00
Paving and repaving in front of City property	1,000 00
Paving and repaving "cross streets"	10,000 00
Salaries	9,000 00
Livery	1,000 00
Incidentals	100 00
Light street bridge	2,500 00
Light street bridge, deficiency year 1890.	157 90
Maintenance of floor of St. Paul street bridge	946 27
Maintenance of floor of Biddle street bridge	129 84
City dock drawbridge, repairs &c	2,250 00
St. Paul street bridge, repainting &c	3,400 00
Calvert street bridge, repainting	2,500 00
North street bridge, repainting &c	1,000 00
Repairs of streets, roads, bridges, &c., in "The Annex"	15,000 00
Salaries and livery in "The Annex"	2,432 00
Cedar avenue bridge, deficiencies	783 92
	$160,428 56

TABLE C.

Statement of Streets, Lanes and Alleys paved, for the year ending 31st December, 1890.

NAMES OF STREETS.	CONTRACTORS' NAMES.	NO. OF SQ. FT.	PRICE PER SQ. FOOT.	DATE OF CONTRACT.	DATE OF ACCEPTANCE.
East Baltimore street, at northwest corner of Patterson Park avenue	A. Schneider & Son.	1,819	6 cents...	June 4, 1890.	July 1, 1890.
Lanvale street, from Harford avenue to Spring street	Bergman&Peddicord	13,323	5¼ cents...	June 5, 1890.	Aug. 14, 1890.
Oliver street, from Bond to Washington street.	J. P. McGovern.....	69,198	5½ cents...	July 6, 1889.	May 24, 1890.
Mulberry street, from Mount street to Fulton avenue	J. P. McGovern.....	9,313	5 cents...	April 30, 1890.	June 14, 1890.
Federal street, between Eden and Washington.	Bergman&Peddicord	87,032	5¼ cents...	Aug. 13, 1889.	July 18, 1890.
Exeter street, from Front to Constitution street	Patrick Keelty.....	3,981	6 cents...	May 19, 1889.	Sept. 1, 1890.
Fulton avenue, from Baker Circle to North avenue	Morgan & Bresnan..	12,262	5 cents...	Aug. 10, 1889.	Oct. 22, 1890.
Washington avenue, from Putnam to Kent street	J. P. McGovern.....	48,519	5½ cents ..	June 2, 1889.	Oct. 21, 1890.
Baker street, from Division street to Druid Hill avenue	John Flannery.....	16,638	(Private)	July 19, 1889.	Sept. 6, 1890.
Eden street, from Lanvale to Federal street....	Bergman&Peddicord	14,112	con'ts.	Sept. 13, 1890.	Dec. 1, 1890.

TABLE D.

Showing the Quantity of Repairs done and materials used on the Streets and Alleys during the year 1890.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Lineal feet kerb reset
Aisquith street	7,403	85	7½	.....
Aliceanna street	25,243	206	23	.....
Amity street	473	4	½	.....
Abraham street	1,273	10	5	.....
Albemarle street	3,014	23	3	.....
Ann street	24,115	299	51	.....
Argyle avenue	5,482	43	2¾	.....
Barnes street	611	6	½	.....
Bank street	12,199	164	21	236
Bethel street	6,893	60	6½	.....
Boyd street	6,820	83	2¼	.....
Biddle street	39,671	460	89¾	17
Barre street	3,875	20	1½	.....
Boston street	60,650	514	109	.....
Bath street	4,080	56	4	.....
Baltimore street	4,074	38	2	40
Broadway	94,160	1,420	179½	70
Bolton street	2,643	25	3½	.....
Bloom street	2,200	25	.....	.....
Bowley's wharf	3,235	48	17	.....
Barclay street	1,220	14	½	.....
Barney street	4,107	35	14	.....
Block street	7,760	60	43	.....
Brune street	5,362	63	2½	.....
Bond street	30,631	341	90½	230
Barnet street	648	5	.....	.....
Battery avenue	1,318	10	1	.....
Amts. carried forward.	359,160	3,917	680¾	593

TABLE D—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Lineal feet kerb reset.
Amts. brought forward	359,160	3,917	680¾	593
Central avenue	22,283	198	27½	.....
Chapel street	8,685	91	8	.....
Calvert street	31,729	303	39½	131
Chase street	20,454	216	54	.....
Camden street	10,915	118	7	.....
Canton avenue	31,060	316	35	.....
Carrollton avenue	39,211	387	32	.....
Cathedral street	43	.....	.....	.....
Centre street	3,478	34	2¾	.....
Charles street	9,134	84	28	124
Cross street	2,088	18	2¾	.....
Chew street	2,229	22	3	.....
Cedar avenue	571	8	4	.....
Covington street	1,874	14	2½	.....
Caroline street	24,409	331	47	.....
Clement street	12,969	117	15	108
Cambridge street	2,455	29	6	.....
Concord street	5,050	65	16	.....
Calhoun street	5,164	47	20	.....
Columbia avenue	93,883	1,016	119	.....
Chestnut street	3,395	36	5½	.....
Cannon street	2,000	22	1½	.....
Collington avenue	7,830	81	8	.....
Conway street	290	3	.....	.....
Clifford street	1,300	16	.....	.....
Chester street	45,946	532	93	410
Castle street	3,180	35	3	.....
Commerce street	700	8	½	.....
Amts. carried forward.	751,485	8,064	1,261¼	1,446

TABLE D—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Lineal feet kerb reset.
Amts. brought forward	751,485	8,064	1,261¼	1,446
Cable street	1,370	15	1	.....
Carey street	2,660	28	3	.....
Dallas street	10,751	123	28½	.....
Druid Hill avenue	450	5	.....	.....
Douglass street	1,430	15	2	.....
Dock street	960	10	2	.....
Division street	115	1	.....	.....
Davis street	3,750	39	5	.....
Diamond street	2,768	17	1¾	.....
Durham street	10,030	133	41	112
Dover street	1,052	10	1	.....
Dolphin street	2,038	22	5	.....
Eastern avenue	33,561	355	39	.....
Eden street	1,811	17	1	.....
Exeter street	28,794	299	33½	70
Eager street	4,423	42	14½	.....
East street	837	7	½	.....
Essex street	12,590	131	38	.....
Edmondson avenue	1,150	11	.....	.....
Eutaw street	22,952	108	27¾	.....
Ensor street	8,123	71	18½	.....
Emory street	1,371	11	1	.....
Etting street	460	7	½	67
Fayette street	20,216	114	30½	.....
Franklin street	2,747	26	2½	.....
Forrest street	1,702	12	2	.....
Falls street	588	5	1	.....
Fremont street	62,957	644	86	.....
Amts. carried forward	993,141	10,342	1,647¾	1,695

TABLE D—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Lineal feet kerb reset.
Amts. brought forward	993,141	10,342	1,647¾	1,695
Fort avenue	18,914	164	22	.....
Front street	6,240	56	15	92
Fifth avenue	678	4	.....	.....
Fulton avenue	6,834	65	4	.... .
Fairmount avenue	2,036	20	3	.....
Frederick street	1,084	9	.....	.....
Federal street	5,195	62	10	.....
Frederick street	12,466	114	25	.....
Gay street	36,320	440	51½	2,024
Gough street	15,635	52	5	.....
Garrett avenue	2,041	18	12	.....
Granby street	2,620	18	13	.....
Garden street	147	1	½	.....
Garrett street	2,060	22	2	.....
Gilmor street	5,628	51	7¾	.....
Greene street	2,391	18	1½	.....
Greenmount avenue	27,700	310	23	.....
Gittings street	6,857	48	7	.....
German street	662	5	4	.....
Hillen street	932	6	½	.....
Holland street	32,828	315	75½	.....
Hollins street	3,576	35	2	.....
Holliday street	29,665	280	42½	.....
Hill street	1,378	8	3	.....
Harford avenue	6,401	62	16	.....
Hamilton street	275	3	½	.....
Harlem avenue	4,954	47	1½	.....
Hamburg street	2,741	17	1¼	.....
Amts. carried forward.	1,231,399	12,592	1,996¾	3,811

TABLE D—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Lineal feet kerb reset.
Amts. brought forward	1,231,399	12,592	1,996¾	3,811
Howard street	4,275	36	4½	.....
Hoffman street	26,881	257	28¼	.....
Hanover street	20,435	177	29	.....
High street	631	6	.....	.....
Hughes street	4,192	26	3	.....
Jackson street	13,234	110	18¾	.....
John street	7,066	66	1½	.....
Light street	42,589	408	50	129
Leadenhall street	3,641	34	3	.....
Lanvale street	14,323	46	9	98
Lexington street	2,851	43	½	.....
Low street	3,878	39	3½	.....
Lemon street	3,582	27	3¾	150
Linden avenue	31,102	247	32½	12
Long Dock	2,495	22	1	.....
Lancaster street	9,545	83	27	.....
Lombard street	48,952	408	56	119
Lupton street	5,193	42	2	.....
Marshall avenue	2,380	37	½	31
Monument street	2,467	19	11½	.....
Mulberry street	40,729	349	63¾	205
McMechen street	1,476	13	1½	.....
McElderry street	6,579	80	23	.....
Montgomery street	176	...	.....	20
Madison street	2,165	42	1½	406
Mosher street	6,300	78	18	.....
Myrtle avenue	7,332	52	14¾	.....
Miller street	1,400	18	1½	.....
Amts. carried forward.	1,547,268	14,387	2,396	4,981

TABLE D—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Lineal feet kerb reset.
Amts. brought forward	1,547,268	14,387	2,396	4,981
Mill street	1,702	15	2	.....
Maryland avenue	6,546	51	7	.....
Monroe street	1,374	10	.....	.....
Mount street	6,902	65	7½	.....
Marion street	1,382	12	1	.....
Mt. Royal avenue	1,384	6	.....	.....
McDonogh street	2,800	33	5	.....
McElderry's wharf	2,570	20	4	.....
Norfolk wharf	7,820	71	8	.....
North street	2,221	24	7	.....
North avenue	146,504	1,611	180½	.....
Orleans street	164	1	.....	.....
Olive street	3,774	34	5	.....
Oliver street	1,320	18	2	.....
Oxford street	26,587	342	25	.....
Pennsylvania avenue	3,89	37	.....	.....
Presstman street	1,667	12	½	.....
Patterson Park avenue	3,888	31	4	.....
Park avenue	607	3	.....	.....
Preston street	35,583	258	30	.....
Paca street	5,596	58	1¾	307
Poppleton street	32,686	228	35¾	.....
President street	3,813	32	2	.....
Pratt street	54,534	467	57	120
Point street	1,285	10	1	.....
Patterson street	18,150	239	34	.....
Penn street	670	6	.....	.....
Pleasant street	2,465	23	3	.....
Amts. carried forward.	1,925,155	19,074	2,819	5,408

TABLE D—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Lineal feet kerb reset.
Amts. brought forward	1,925,155	19,074	2,819	5,408
Richmond street	931	8	.....	.....
Race street	4,974	47	4	.....
Read street	1,300	12	2	18
Ramsay street	605	5	2	.....
Second street	167	1	.....	.....
St. Peter street	337	3	½	....
St. Mary street	198	2	½	.....
Scott street	1,404	18	2	.....
Saratoga street	11,412	106	18¼	117
Stiles street	283	2	½	.....
Sharp street	15,623	135	26	.....
Stricker street	8,554	65	9½	.....
Spring street	8,182	80	21	45
St. Paul street	3,518	27	2	.....
South street	2,536	23	2	.....
Schroeder street	12.533	132	7½	.....
Stirling street	1,620	16	3	.....
Spruce street	1,260	14	1	.....
Spear's wharf	1,400	17	1	.....
Thames street	3,351	23	5	.....
Townsend street	36,650	483	48	96
Union Dock	6,370	57	4	.....
Vine street	628	5	1	.....
Winchester street	1,550	15	1	.....
Warner street	12,584	81	8½	.....
West Falls avenue	8,621	63	.....	.....
Wilkens avenue	13,914	114	4	308
Water street	2.285	20	3	.....
Amts. carried forward	2,087,945	20,648	2,995¼	5,992

TABLE D—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Lineal feet kerb reset.
Amts. brought forward	2,087,945	20,648	2,995¼	5,992
Wolfe street	6,830	23	3½	.....
Washington street	24,677	377	23	35
Weber street	1,362	8	2	.....
West street	1,283	9	1	.....
Williamson street	1,245	8	¼	.....
Willow street	1,060	10	2	.....
William street	2,632	16	1	.....
Wood street	1,320	17	3½	.....
Winder street	2,464	19	2	.....
York street	4,164	29	3	.....
	2,134,982	21,164	3,036½	6,027

TABLE D—Continued.

Showing the quantity of Repairs done and Materials used on Lanes and Alleys during the year 1890.

Lanes and Alleys.	Area in sq. feet.	Loads of sand.	Perches of stone.	Lineal feet kerb reset.
Adams alley	622	6	.....	.....
Bank lane	690	4	½	.....
Biddle alley	6,840	42	6¾	....
Bradford alley	3,895	33	4	.....
Bruce alley	1,250	12	.....	.....
Burgundy alley	5,352	48	2	.....
Camel alley	1,225	9	2	.....
Chesnut alley	163	1	.....	.....
Comb alley	1,287	10	2	.....
Cross alley	4,158	25	2¼	.....
Church lane	1,892	18	1½	.....
Elbow lane	597	5	.....	.....
Elder alley	2,766	22	2¼	.....
Franklin lane	720	7	1	.....
George alley	2,291	21	6	.....
Goodman alley	2,358	22	3	.....
Guilford alley	2,064	16	4	.....
Hammond alley	597	5	1	.....
Hull's lane	257	2	½	.....
Hollins alley	2,780	23	1½	.....
Hargrove alley	16,017	113	10¼	48
Jordon alley	2,784	23	2	.....
Jenkins alley	1,904	17	1	.....
James alley	1,087	9	2	.....
Jordon alley	612	4	.....	.....
Kimmel alley	2,089	16	1	.....
Lovegrove alley	150	.....	.....	.....
Amts. brought forward	66,447	513	55½	48

TABLE D—Continued.

Lanes and Alleys.	Area in sq. feet.	Loads of sand.	Perches of stone.	Lineal feet kerb reset.
Amts. carried forward	66,447	513	55½	48
Larew alley	3,096	25	4	.....
Lemon alley	2,656	23	8	.....
Little Pleasant street	656	3	¼	.....
Morris alley	4,022	42	1	.....
Morton alley	12,244	85	6	.....
Madeira alley	4,990	54	5	.....
Moore alley	3,131	27	2½	100
Mason alley	616	6	.....	.....
N alley	6,930	36	1½	.....
Norris alley	6,920	47	4	.....
Peach alley	318	3	1	.....
Parrish alley	11,358	108	8½	.....
Pratt alley	3,491	41	2	174
Rice alley	13,728	98	6½	.....
Stoddard alley	5,672	40	2½	.....
Stockton alley	1,200	14	1	.....
Sharp Street alley	3,241	21	¾	.....
Slemmer's alley	400	5	.....	.....
Tyson alley	8,435	68	7½	56
Vincent alley	6,920	63	4	.....
Welcome alley	3,956	36	.....	.....
Wagner alley	2,743	21	1	.....
Wine alley	1,471	12	3	.....
	174,641	1,391	125½	378

TABLE D—Concluded.

Grand total Quantities of Repairs of Streets and Alleys.

	Area in sq. feet.	Loads of sand	Perches of stone.	Lineal feet kerb reset.
Streets	2,134,982	21,164	3,036½	6,027
Alleys	174,641	1,391	125½	378
	2,309,623	22,555	3,162	6,405

TABLE E.

Showing Quantity and Cost of Work done by Superintendents of Street Repairs.

Superintendents.	Square feet paved.	Lineal feet kerb reset.	Perches of stone.	Loads of sand.	Cost.
John Fitzpatrick	193,856	344	241	1,679	$6,275 65
John L. Brown	191,426	603	199½	1,665	6,196 89
Moses Egan	189,378	428	202½	1,669	6,130 59
Walter Sauerwein	185,475	.....	299	2,152	6,004 24
John O'Donnell	192,053	450	254½	1,783	6,206 14
N. A. Gill	182,943	668	207½	1,582	5,922 28
Thos. W. Salvage	180,470	1,648	276	2,167	5,842 22
R. W. Keily	179,395	.....	279	1,620	5,806 76
Joseph Schoenig	177,291	459	279	1,668	5,739 31
Thos. Kavanaugh	175,040	336	262	1,859	5,678 09
Louis Schleisinger	185,887	445	261	2,068	6,017 58
George Glantz	180,771	424	295	2,002	5,851 97
John T. Lee	95,638	600	106	641	3,096 02
	2,309,623	6,405	3,162	22,555	$74,767 74

TABLE F.

Showing the Revenue received in the City Commissioner's Department for the year ending December 31, 1890.

Vaults and areas	$ 562 60
Repairs of sewers	3,779 36
Repairs of paved streets	977 02
Cathedral street No. 2	47 00
Cathedral street No. 3	10 00
Improvement Jones' Falls	1,308 40
Repaving Fell's Point Market	24 00
Preston street sewer	14 67
Presbury street sewer	44 60
Eager street sewer	9 92
Pulaski street sewer	2 92
Wolfe street sewer	132 62
Eutaw and F streets sewer	3 33
Paving 10 ft. alley east of Patterson Park avenue	461 70
Repaving Monument street	30 00
Repaving Madison avenue	186 17
Boston street bridge	10 00
Rebuilding Light street bridge	448 13
Public printing	132 00
Shelling Loney's lane	83
Kerbing Fulton avenue	100 00
Repairing streets, &c., Annex	160 00
	$8,445 27

ANNUAL REPORT

— OF THE —

Department of Street Cleaning,

— OF THE —

CITY OF BALTIMORE,

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31, 1890.

OFFICERS AND EMPLOYEES

—OF THE—

Department of Street Cleaning,

FOR THE YEAR 1890.

B. E. SMITH,

Commissioner of Street Cleaning.

FRANK DANDELET,

Clerk.

Superintendents of Streets:

B. V. KELLY, 1*st District.* JAS. F. BUSEY, 4*th District.*
G. E. MCCAULEY, 2*d District.* H. LANCASTER, 5*th District.*
MICHAEL FADGEN, 3*d District.* JOHN MEAGHER, 6*th District.*
JOSEPH MCGEE, 7*th District.*

Superintendents of Dumps:

JOHN HOLDEFER, *Canton.* LOUIS E. FEFEL, *Spring Garden.*
F. P. QUINN, *Back Basin.* J. T. CROPPER, *Eager Street.*
ALFRED FREEDY, *South Baltimore.*

REPORT.

DEPARTMENT OF STREET CLEANING—CITY HALL.

BALTIMORE, January 1st, 1891.

To the Honorable the Mayor and
City Council of Baltimore.

GENTLEMEN:

In compliance with provisions of Ordinance No. 6, approved February 21st, 1882, I have the honor to submit herewith the Report of the Department of Street Cleaning.

The annexed tables show the number of men and carts employed, the work performed by the department during the year, the money expended, and the amount received for refuse, &c.

The total appropriation for the year was two hundred and eighty-five thousand eight hundred and forty-six dollars, and the amount expended was two hundred and eighty-three thousand five hundred and ninety-two dollars and sixty-two cents, leaving a balance of two thousand two hundred and fifty three dollars and thirty-eight cents.

The digging up of the streets during the year for the conduits of the Telephone Company, the laying of the cable of the Baltimore Traction Company, and other public improvements have greatly increased the work of cleaning the streets.

By Ordinance No. 118, of 1887, the street railway companies were authorized to spread sand or gravel between the rails, which privilege has been availed of to such an extent and so frequently as to impose a large amount of extra labor on this department, as well as inconvenience and discomfort to citizens. I would respectfully suggest that the ordinance be modified so as to restrict the use of sand to heavy grades and curves.

The street cleaning force is compelled to clean the pavements of public buildings, schools and squares, and the footways of the bridges. The extent of this work after a fall of snow is such as to render it impossible to give prompt relief to the general public at the markets and business thoroughfares. This can be remedied by appropriating an amount to be used only in such emergencies, for employing additional force for this special work. In the estimate of expenses I have included five thousand dollars for this purpose.

By reference to Table "B," you will observe the amount expended for the collection of garbage was one hundred and forty thousand three hundred and forty-one dollars. This branch of the service is the more

expensive, not only at present, but will continue to increase as the places of collection become more remote from the dumps. Other than the present disposition of the garbage might be made which would prove more economical. Crematories could be established at convenient distances from the City where garbage could be destroyed at less cost, and certainly with less detriment to health, as in other large cities.

As the present contract for removal of garbage expires July 1st of this year, the present is the proper time to consider this matter.

I would respectfully suggest a change in ordinance, chapter 23, section 91, to make the collection of garbage and ashes daily throughout the year, thus avoiding the confusion and uncertainty to housekeepers by the semi-annual change.

The Commissioner has no power in the selection of the men, while he is held responsible for the work of the Department. As the comfort and convenience of the citizens depend so much upon the diligent and industrious prosecution of the work, he should have the authority to employ the men. Thorough efficiency and discipline cannot be secured otherwise.

The contract for the removal of garbage from the City having been made for two years from the 1st of July, 1889, Matthew W. Adams, the contractor for said removal, performs that service this year for the sum of eight thousand five hundred dollars. No pro-

vision has been made for the payment of the amount due for this service for the six months ending December 31st, 1891.

Contracts were made for the purchase of the street dirt for this year with Andrew Burns for the first and third districts, for four hundred dollars.....	$ 400 00
L. H. Edmondson for the second district, for seventy-five dollars.....	75 00
Charles Lancaster for the fifth district, for three hundred and fifty dollars....	350 00
By reference to Table "B," it will be seen that your Commissioner has realized from the sale of refuse, and turned over to the Comptroller, seventeen hundred and fifty-nine dollars and ten cents....	1,759 10

In conclusion, I return thanks to the Superintendents for their hearty co-operation during the year in the working of the department.

The following is an estimate of expenses for the year 1891:

136 garbage carts and men, at $18.00 per week.....	$127,296 00
56 street carts and men, at $18.00 per week.....	52,416 00
125 sweepers and scrapers, at $10.00 per week.....	65,000 00
Contract for removal of garbage.....	8,500 00

Salaries	9,000 00
Dumps	4,500 00
Tools and incidentals	1,850 00
Removal of snow	5,000 00
	$273,562 00

City Annex.

11 garbage carts and men, at $18.00 per week	$10,296 00
3 street carts and men, at $18.00 per week.	2,808 00
6 sweepers and scrapers, at $10.00 per week	3,120 00
Salary of Superintendent	1,000 00
Tools	60 00
	$17,284 00

Respectfully submitted,

B. E. SMITH,

Commissioner of Street Cleaning.

TABLES.

TABLE A.

Weekly Report showing amount of work done in the Street Cleaning Department, the number of men and carts employed in the several Districts, and amount of money expended for the same, from Jan. 1 to Dec. 31, 1890.

FIRST DISTRICT. B. V. KELLY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending Jan. 6.....	732	700	$324 00	$386 00	18	9	23	1432	$710 00
" " 13.....	686	720	324 00	373 16	18	8	23	1406	697 16
" " 20.....	726	760	324 00	371 50	18	8	23	1486	695 50
" " 27.....	786	635	324 00	317 83	18	8	23	1421	641 83
	2930	2815	$1296 00	$1448 49				5745	$274 49
Week ending Feb. 3.....	756	748	$318 00	$380 00	18	8	23	1504	$698 00
" " 10.....	810	750	324 00	354 83	18	8	23	1560	678 83
" " 17.....	729	800	324 00	369 00	18	8	23	1529	693 00
" " 24.....	744	720	324 00	374 00	18	8	23	1464	698 00
	3039	3018	$1290 00	$1477 83				6057	$2767 83

TABLE A.—Continued.

FIRST DISTRICT. B. V. KELLY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending March 3.....	729	720	$324 00	$353 70	18	8	23	1449	$677 70
" " 10.....	738	600	324 00	323 00	18	8	23	1338	647 00
" " 17.....	747	720	324 00	374 00	18	8	23	1467	698 00
" " 24.....	747	640	324 00	329 33	18	8	23	1387	653 33
" " 31.....	738	680	324 00	347 61	18	8	23	1418	671 67
	3699	3360	$1620 00	$1727 64				7059	$3347 64
Week ending April 7.....	747	720	$324 00	$374 00	18	8	23	1467	$698 00
" " 14.....	738	760	324 00	374 00	18	8	23	1498	698 00
" " 21.....	738	720	324 00	374 00	18	8	23	1458	698 00
" " 28.....	738	760	324 00	360 16	18	8	23	1498	684 16
	2961	2960	$1296 00	$1482 16				5921	$2778 16

Week ending May 5.....	738	720	$324 00	$374 00	18	8	23	1458	$698 00
" " 12.....	740	720	324 00	374 00	18	8	23	1460	698 00
" " 19.....	793	720	324 00	374 00	18	8	23	1513	698 00
" " 26	787	720	324 00	374 00	18	8	23	1507	698 00
	3058	2880	$1296 00	$1496 00				5938	$2792 00
Week ending June 2.....	770	720	$324 00	$369 00	18	8	23	1490	$693 00
" " 9.....	757	720	324 00	374 00	18	8	23	1477	698 00
" " 16.....	775	760	324 00	374 00	18	8	23	1535	698 00
" " 23.....	748	720	324 00	374 00	18	8	23	1468	698 00
" " 30.....	721	720	324 00	374 00	18	8	23	1441	698 00
	3771	3640	$1620 00	$1865 00				7411	$3485 00
Week ending July 7.....	785	720	$324 00	$374 00	18	8	23	1505	$698 00
" " 14.....	724	720	324 00	374 00	18	8	23	1444	698 00
" " 21	676	720	324 00	374 00	18	8	23	1396	698 00
" " 28.....	681	720	324 00	374 00	18	8	23	1401	698 00
	2866	2880	$1296 00	$1496 00				5746	$2792 00

TABLE A.—Continued.

FIRST DISTRICT. B. V. KELLY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending Aug. 4.....	696	720	$324 00	$374 00	18	8	23	1416	$698 00
" " 11.....	705	720	324 00	374 00	18	8	23	1425	698 00
" " 18.....	741	720	324 00	374 00	18	8	23	1461	698 00
" " 25.....	750	760	324 00	374 00	18	8	23	1510	698 00
" " 30.....	693	720	324 00	374 00	18	8	23	1413	698 00
	3885	3640	$1620 00	$1870 00				7225	$3490 00
Week ending Sept. 8.....	714	720	$324 00	$374 00	18	8	23	1434	$698 00
" " 15.....	714	720	324 00	374 00	18	8	23	1434	698 00
" " 22.....	716	720	324 00	374 00	18	8	23	1436	698 00
" " 29.....	839	720	324 00	374 00	18	8	23	1559	698 00
	2983	2880	$1296 00	$1496 00				5863	$2792 00

Week ending Oct. 6.....	716	720	$324 00	$331 00	18	8	23	1436	$655 00
" " 13.....	672	720	324 00	370 66	18	8	23	1392	694 66
" " 20.....	648	720	324 00	371 50	18	8	23	1368	695 50
" " 27.....	708	720	324 00	346 84	18	8	23	1428	670 84
	2744	2880	$1296 00	$1420 00				5624	$2716 00
Week ending Nov. 3.....	691	720	$324 00	$374 00	18	8	23	1411	$698 00
" " 10.....	720	720	324 00	374 00	18	8	23	1440	698 00
" " 17.....	793	720	324 00	374 00	18	8	23	1513	698 00
" " 24.....	763	720	324 00	392 33	18	8	25	1483	716 33
" " 29.....	723	720	324 00	389 00	18	8	24	1443	713 00
	3690	3600	$1620 00	$1903 33				7290	$3523 33
Week ending Dec. 1.....	715	720	$324 00	$394 00	18	8	25	1435	$718 00
" " 8.....	701	720	324 00	394 00	18	8	25	1421	718 00
" " 15.....	740	720	324 00	381 50	18	8	25	1460	705 50
" " 22.....	639	720	324 00	394 00	18	8	25	1359	718 00
" " 29.....	728	1328	324 00	525 83	18	8	25	2056	849 83
	3523	4208	$1620 00	$2089 33				7731	$3709 33

TABLE A.—Continued.

SECOND DISTRICT. G. E. McCAULEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending Jan. 7.....	709	954	$432 00	$356 99	24	9	20	1663	$788 99
" " 14.....	732	935	432 00	350 32	24	9	20	1667	782 32
" " 21.....	745	949	432 00	341 31	24	9	20	1664	773 31
" " 28.....	699	887	432 00	296 95	24	9	20	1586	728 95
	2855	3725	$1728 00	$1345 57				6580	$3073 57
Week ending Feb. 4.....	697	940	$432 00	$343 66	24	9	20	1637	$775 66
" " 11	683	935	432 00	319 30	24	9	20	1618	751 30
" " 18.....	697	939	432 00	348 01	24	9	20	1636	780 01
" " 25.....	697	915	432 00	351 32	24	9	20	1612	783 32
	2774	3729	$1728 00	$1362 29				6503	$3090 29

Week ending March 4.....	733	964	$432 00	$343 99	24	9	20	1697	$772 82
" " 11.....	756	892	432 00	297 12	24	9	20	1648	729 12
" " 18.....	767	954	432 00	340 34	24	9	20	1721	772 34
" " 25.....	751	916	432 00	344 31	24	9	20	1667	776 31
	3007	3726	$1728 00	$1325 76				6733	$3053 76
Week ending April 1.....	755	916	$432 00	$340 82	24	9	20	1671	$772 82
" " 8.....	748	892	432 00	336 14	24	9	20	1640	768 14
" " 15.....	714	921	432 00	328 97	24	9	20	1635	760 97
" " 22.....	711	949	432 00	358 66	24	9	20	1660	790 66
" " 29.....	709	882	429 00	336 31	24	9	20	1591	765 31
	3637	4560	$2157 00	$1700 90				8197	$3857 90
Week ending May 6.....	693	1031	$432 00	$348 66	24	9	20	1724	$780 66
" " 13.....	723	892	432 00	315 62	24	9	20	1615	747 62
" " 20.....	722	920	432 00	350 48	24	9	20	1642	782 48
" " 27.....	705	892	432 00	356 99	24	9	20	1597	788 99
	2843	3735	$1728 00	$1371 75				6578	$3099 75

TABLE A.—Continued.

SECOND DISTRICT. G. E. McCAULEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending June 3.....	709	881	$432 00	$361 16	24	9	20	1590	$793 16
" " 10.....	677	882	432 00	346 99	24	9	20	1559	778 99
" " 17.....	696	882	429 00	346 15	24	9	20	1578	775 15
" " 24.....	744	873	432 00	358 66	24	9	20	1617	790 66
	2826	3518	$1725 00	$1412 96				6344	$3137 96
Week ending July 1.....	762	882	$432 00	$357 82	24	9	20	1644	$789 82
" " 8.....	766	914	432 00	346 30	24	9	20	1680	778 30
" " 15.....	973	915	432 00	351 15	24	9	20	1888	783 15
" " 22.....	770	900	432 00	351 99	24	9	20	1670	783 99
" " 29.....	756	820	432 00	275 94	24	9	20	1576	707 94
	4027	4431	$2160 00	$1683 20				8458	$3843 20

Week ending August 5.....	810	940	$432 00	$358 67	24	9	20	1750	$790 67
" " 12.....	845	910	432 00	358 66	24	9	20	1755	790 66
" " 19.....	855	891	432 00	355 33	24	9	20	1746	787 33
" " 26. ..	878	909	432 00	349 47	24	9	20	1787	781 47
	3388	3650	$1728 00	$1422 13				7038	$3150 13
Week ending Sept. 2.....	876	891	$432 00	$356 99	24	9	20	1767	$788 99
" " 9.....	850	920	432 00	348 66	24	9	20	1770	780 66
" " 16.....	761	882	432 00	357 81	24	9	20	1643	789 81
" " 23.....	814	891	432 00	351 16	24	9	20	1705	783 16
" " 30.....	793	891	432 00	361 16	24	9	20	1684	793 16
	4094	4475	$2160 00	$1775 78				8569	$3935 78
Week ending Oct. 7.....	752	882	$432 00	$362 00	24	9	21	1634	$794 00
" " 14.....	716	901	432 00	356 15	24	9	21	1617	788 15
" " 21.....	701	882	432 00	361 33	24	9	21	1583	793 33
" " 28.....	732	864	429 00	345 29	24	9	21	1596	774 29
	2901	3629	$1725 00	$1424 77				6530	$3149 77

TABLE A.—Continued.

SECOND DISTRICT. G. E. McCAULEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending Nov. 3.....	704	882	$429 00	$360 50	24	9	21	1586	$789 50
" " 10.....	645	882	432 00	362 82	24	9	21	1527	794 82
" " 17.....	649	882	432 00	365 32	24	9	21	1531	797 32
" " 24.....	636	891	432 00	360 32	24	9	21	1527	792 32
	2634	3537	$1725 00	$1448 96				6171	$3173 96
Week ending Dec. 1.....	681	909	$432 00	$363 65	24	9	21	1590	$795 65
" " 8.....	700	891	432 00	356 15	24	9	21	1591	788 15
" " 15.....	690	882	432 00	366 33	24	9	21	1572	798 33
" " 22.....	701	891	429 00	360 65	24	9	21	1592	789 65
" " 29.....	702	910	432 00	351 30	24	9	21	1612	783 30
	3474	4483	$2157 00	$1798 08				7957	$3955 08

THIRD DISTRICT.

MICHAEL FADGEN, SUP'T.

Week ending Jan. 8.....	630	660	$252 00	$403 00	14	11	21	1290	$655 00
" " 15.....	630	682	252 00	404 66	14	11	21	1312	656 66
" " 22.....	630	550	252 00	360 00	14	11	21	1180	612 00
" " 29.....	574	556	252 00	386 00	14	11	21	1130	638 00
	2464	2448	$1008 00	$1553 66				4912	$2561 66
Week ending Feb. 5.....	602	634	$252 00	$384 50	14	11	21	1236	$636 50
" " 12.....	590	537	252 00	395 83	14	11	21	1127	647 83
" " 19.....	614	616	252 00	407 17	14	11	21	1230	659 17
" " 26.....	630	581	252 00	389 33	14	11	21	1211	641 33
	2436	2368	$1008 00	$1576 83				4808	$2584 83
Week ending March 5.....	612	472	$252 00	$285 17	14	11	21	1084	$537 17
" " 12.....	642	617	252 00	397 36	14	11	21	1259	649 36
" " 19.....	630	596	252 00	379 83	14	11	21	1226	631 83
" " 26.....	612	582	252 00	385 50	14	11	21	1194	637 50
	2496	2267	$1008 00	$1447 86				4763	$2455 86

TABLE A —Continued.

THIRD DISTRICT. MICHAEL FADGEN, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending April 2	658	660	$252 00	$408 00	14	11	21	1318	$660 00
" " 9.....	644	660	252 00	408 00	14	11	21	1304	660 00
" " 16.....	630	605	246 00	403 00	14	11	21	1235	649 00
" " 23.....	658	684	252 00	405 50	14	11	21	1342	657 50
" " 30.....	616	548	252 00	339 83	14	11	21	1164	591 83
	3206	3157	$1254 00	$1964 33				6363	$3218 33
Week ending May 7.....	644	638	$252 00	$408 00	14	11	21	1282	$660 00
" " 14.....	630	550	252 00	387 00	14	11	21	1180	639 00
" " 21.....	644	618	252 00	408 00	14	11	21	1262	660 00
" " 28	630	646	252 00	388 50	14	11	21	1276	640 50
	2548	2452	$1008 00	$1591 50				5000	$2599 50

Week ending June 4.....	630	638	$252 00	$408 00	14	11	21	1268	$660 00
" " 11.....	574	638	252 00	408 00	14	11	21	1212	660 00
" " 18.....	672	660	252 00	399 17	14	11	21	1332	651 17
" " 25.....	679	660	252 00	409 40	14	11	21	1339	661 40
	2555	2596	$1008 00	$1624 57				5151	$2632 57
Week ending July 2.....	669	704	$252 00	$408 00	14	11	21	1373	$660 00
" " 9.....	682	682	252 00	408 00	14	11	21	1364	660 00
" " 16	686	660	252 00	407 16	14	11	21	1346	659 16
" " 23.....	672	649	252 00	407 16	14	11	21	1321	659 16
" " 30.....	644	606	252 00	376 83	14	11	21	1250	628 83
	3353	3301	$1260 00	$2007 15				6654	$3267 15
Week ending Aug. 6.....	654	660	$252 00	$408 00	14	11	21	1314	$660 00
" " 13.....	686	660	252 00	407 16	14	11	21	1346	659 16
" " 20.....	658	649	252 00	400 50	14	11	21	1307	652 50
" " 27.....	624	649	252 00	408 00	14	11	21	1273	660 00
	2622	2618	$1008 00	$1623 66				5240	$2631 66

TABLE A.—Continued.

THIRD DISTRICT. MICHAEL FADGEN, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending Sept. 3.....	686	695	$252 00	$408 00	14	11	21	1381	$660 00
" " 10.....	692	660	252 00	407 16	14	11	21	1352	659 16
" " 17.....	686	557	252 00	374 00	14	11	21	1243	626 00
" " 24.....	724	671	252 00	408 00	14	11	21	1395	660 00
	2788	2583	$1008 00	$1597 16				5371	$2605 16
Week ending Oct. 1.....	675	605	$252 00	$384 67	14	11	21	1280	$636 67
" " 8.....	672	594	252 00	385 66	14	11	21	1266	637 66
" " 15.....	651	740	252 00	400 00	14	11	21	1391	652 00
" " 22.....	658	660	252 00	405 50	14	11	21	1318	657 50
" " 29.....	672	572	252 00	393 66	14	11	21	1244	645 66
	3328	3171	$1260 00	$1969 49				6499	$3229 49

Week ending Nov. 4.....	644	660	$252 00	$407 16	14	11	21	1304	$659 16
" " 11.....	657	660	252 00	401 33	14	11	21	1317	653 33
" " 18.....	654	704	252 00	407 16	14	11	21	1358	659 16
" " 25.....	658	645	252 00	393 50	14	11	21	1303	645 50
	2613	2669	$1008 00	$1609 15				5283	$2617 15
Week ending Dec. 2.....	652	704	$252 00	$408 00	14	11	21	1356	$660 00
" " 9.....	623	638	243 00	406 33	14	11	21	1261	649 33
" " 16.....	658	658	252 00	395 33	14	11	21	1316	647 33
" " 23.....	630	660	252 00	407 16	14	11	21	1290	659 16
" " 30.....	654	902	252 00	513 66	14	11	21	1556	765 66
	3217	3562	$1251 00	$2130 48				6779	$3381 48

TABLE A.—Continued

FOURTH DISTRICT. J. F. BUSEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending Jan. 2.....	623	502	$486 00	$373 50	27	9	24	1125	$859 50
" " 9.....	693	503	486 00	357 16	27	9	24	1196	843 16
" " 16.....	658	624	486 00	359 16	27	9	24	1282	845 16
" " 23.....	684	367	486 00	227 32	27	9	24	1051	713 32
" " 30.....	688	528	486 00	333 16	27	9	24	1216	819 16
	3346	2524	$2430 00	$1650 30				5870	$4080 30
Week ending Feb. 6.....	699	413	$486 00	$313 16	27	9	24	1112	$799 16
" " 13	688	566	486 00	351 66	27	9	24	1254	837 66
" " 20.....	629	403	486 00	387 50	27	9	24	1032	873 50
" " 27.....	629	343	486 00	291 33	27	9	24	972	777 33
	2645	1382	$1944 00	$1343 65				4370	$3287 65

Week ending March 6.....	610	327	$486 00	$308 16	27	9	24	937	$794 16
" " 13.....	610	316	486 00	287 16	27	9	24	926	773 16
" " 20.....	595	316	486 00	352 82	27	9	24	911	838 32
" " 27.....	650	423	486 00	279 83	27	9	24	1073	765 83
	2465	1382	$1944 00	$1227 97				3847	$3171 97
Week ending April 3.....	591	509	$486 00	$377 16	27	9	24	1100	$863 16
" " 10.....	579	390	486 06	354 16	27	9	24	969	840 16
" " 17.....	304	326	486 00	400 33	27	9	24	630	886 33
" " 24.....	704	416	486 00	387 16	27	9	24	1120	873 16
	2178	1641	$1944 00	$1518 81				3819	$3462 81
Week ending May 1.....	576	302	$486 00	$314 50	27	9	24	878	$800 50
" " 8.....	553	322	486 00	375 49	27	9	24	875	861 49
" " 15.....	517	423	486 00	387 50	27	9	24	940	873 50
" " 22.....	497	321	486 00	355 82	27	9	24	818	841 82
" " 29.....	458	302	486 00	352 66	27	9	24	760	838 66
	2601	1670	$2430 00	$1785 97				4271	$4215 97

TABLE A.—Continued.

FOURTH DISTRICT. J. F. BUSEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending June 5.....	282	321	$486 00	$402 00	27	9	24	603	$888 00
" " 12.....	384	312	486 00	397 99	27	9	24	696	883 99
" " 19.....	442	216	486 00	376 99	27	9	24	658	862 99
" " 26.....	358	319	486 00	394 49	27	9	24	677	880 49
	1466	1168	$1944 00	$1571 47				2634	$3515 47
Week ending July 3.....	563	304	$486 00	$390 50	27	9	24	867	$876 50
" " 10.....	439	309	486 00	397 16	27	9	24	748	883 16
" " 17.....	421	326	486 00	400 33	27	9	24	747	886 33
" " 24.....	385	413	486 00	397 16	27	9	24	798	883 16
" " 31.....	378	316	486 00	286 83	27	9	24	694	772 83
	2186	1668	$2430 00	$1871 98				3854	$4301 98

Week ending August 7.....	403	298	$456 00	$385 66	27	9	24	701	$841 66
" " 14.....	327	316	486 00	373 50	27	9	24	643	859 50
" " 21.....	338	386	486 00	400 33	27	9	24	724	886 33
" " 28.....	378	216	486 00	377 50	27	9	24	594	863 50
	1446	1216	$1914 00	$1536 99				2662	$3450 99
Week ending Sept. 4.....	349	316	$486 00	$388 33	27	9	24	665	$874 33
" " 11.....	272	315	480 00	397 00	27	9	24	587	877 00
" " 18.....	243	296	486 00	368 16	27	9	24	539	854 16
" " 25.....	265	216	486 00	402 00	27	9	24	481	888 00
	1129	1143	$1938 00	$1555 49				2272	$3493 49
Week ending Oct. 2.....	297	319	$486 00	$391 33	27	9	24	616	$877 33
" " 9.....	327	216	486 00	344 66	27	9	24	543	830 66
" " 16.....	402	319	486 00	384 33	27	9	24	721	870 33
" " 23.....	288	326	486 00	398 66	27	9	24	614	884 66
" " 30.....	250	319	486 00	348 00	27	9	24	569	834 00
	1564	1499	$2430 00	$1866 98				3063	$4296 98

TABLE A.—Continued.

FOURTH DISTRICT. J. F. BUSEY, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending Nov. 5.....	318	329	$486 00	$397 00	27	9	24	647	$883 00
" " 12.....	297	219	486 00	401 16	27	9	24	516	887 16
" " 19.....	243	316	486 00	330 50	27	9	24	559	816 50
" " 26.....	310	312	486 00	402 00	27	9	24	622	888 00
	1168	1176	$1944 00	$1530 66				2344	$3474 66
Week ending Dec. 3.....	382	316	$486 00	$402 00	27	9	24	698	$888 00
" " 10.....	407	219	486 00	357 00	27	9	24	626	843 00
" " 17.....	491	316	486 00	402 00	27	9	24	807	888 00
" " 24.....	763	691	486 00	352 50	27	9	24	1454	838 50
" " 31.....	865	862	486 00	367 33	27	9	24	1727	853 33
	2908	2404	$2430 00	$1880 83				5312	$4310 83

FIFTH DISTRICT.

H. LANCASTER, SUP'T.

Week ending Jan. 3.....	903	318	$468 00	$368 67	26	9	21	1221	$836 67
" " 10.....	883	371	468 00	352 00	26	9	21	1254	820 00
" " 17.....	846	634	468 00	362 00	26	9	21	1480	830 00
" " 24.....	864	230	468 00	263 83	26	9	21	1094	731 83
" " 31.....	874	505	468 00	347 34	26	9	21	1379	815 34
	4370	2058	$2340 00	$1693 84				6428	$4033 84
Week ending Feb. 7.....	867	336	$468 00	$349 67	26	9	21	1203	$817 67
" " 14.....	859	485	468 00	338 00	26	9	21	1344	806 00
" " 21.....	871	372	468 00	372 00	26	9	21	1243	840 00
" " 28.....	869	330	468 00	309 04	26	9	21	1199	777 04
	3466	1523	$1872 00	$1368 71				4989	$3240 71
Week ending March 7.....	873	275	$468 00	$322 83	26	9	21	1148	$790 83
" " 14.....	981	240	468 00	280 00	26	9	21	1221	748 00
" " 21.....	896	290	468 00	298 17	26	9	21	1186	766 17
" " 28.....	874	357	468 00	355 50	26	9	21	1231	823 50
	3624	1162	$1872 00	$1256 50				4786	$3128 50

TABLE A.—Continued.

FIFTH DISTRICT. H. LANCASTER, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending April 4	910	354	$468 00	$359 83	26	9	21	1264	$827 83
" " 11	853	356	468 00	372 00	26	9	21	1209	840 00
" " 18	854	408	468 00	363 00	26	9	21	1262	831 00
" " 25	826	402	468 00	372 00	26	9	21	1228	840 00
	3443	1520	$1872 00	$1466 83				4963	$3338 83
Week ending May 2	801	494	$468 00	$348 84	26	9	21	1295	$816 84
" " 9	831	423	486 00	372 00	27	9	21	1254	858 00
" " 16	874	428	486 00	370 50	27	9	21	1302	856 50
" " 23	881	363	486 00	366 00	27	9	21	1244	852 00
" " 30	884	374	486 00	372 00	27	9	21	1258	858 00
	4271	2082	$2412 00	$1829 34				6353	$4241 34

Week ending June 6.....	839	426	$486 00	$369 50	27	9	21	1265	$855 50
" " 13.....	837	360	486 00	370 50	27	9	21	1197	856 50
" " 20.....	819	540	486 00	372 00	27	9	21	1359	858 00
" " 27.....	817	360	483 00	372 00	27	9	21	1177	855 00
	3312	1686	$1941 00	$1484 00				4998	$3425 00
Week ending July 4.....	817	318	$486 00	$361 50	27	9	21	1135	$847 50
" " 11.....	811	351	486 00	360 00	27	9	21	1162	846 00
" " 18	801	360	486 00	372 00	27	9	21	1161	858 00
" " 25.	808	400	480 00	369 00	27	9	21	1208	849 00
	3237	1429	$1938 00	$1462 50				4666	$3400 50
Week ending Aug. 1.....	798	340	$486 00	$360 33	27	9	21	1138	$846 33
" " 8.	796	372	486 00	370 33	27	9	21	1168	856 33
" " 15.	798	378	486 00	372 00	27	9	21	1176	858 00
" " 22.....	797	432	486 00	372 00	27	9	21	1229	858 00
" " 29.....	804	810	486 00	372 00	27	9	21	1614	858 00
	3993	2332	$2430 00	$1846 66				6325	$4276 66

TABLE A.—Continued.

FIFTH DISTRICT. H. LANCASTER, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending Sept. 5.....	803	357	$486 00	$370 50	27	9	21	1160	$856 50
" " 12.....	812	378	486 00	372 00	27	9	21	1190	858 00
" " 19.....	789	278	486 00	336 00	27	9	21	1067	822 00
" " 26.....	768	432	486 00	372 00	27	9	21	1200	858 00
	3172	1445	$1944 00	$1450 50				4617	$3394 50
Week ending Oct. 3.....	886	324	$486 00	$372 00	27	9	21	1210	$858 00
" " 9.....	842	388	486 00	350 66	27	9	21	1230	836 66
" " 16.....	838	428	486 00	368 00	27	9	21	1266	854 00
" " 23.....	865	374	486 00	372 00	27	9	21	1239	858 00
" " 30.....	824	396	486 00	362 50	27	9	21	1220	848 50
	4255	1910	$2430 00	$1825 16				6165	$4255 16

Week ending Nov. 6.....	808	364	$486 00	$372 00	27	9	21	1172	$858 00
" " 13.....	908	324	486 00	372 00	27	9	21	1232	858 00
" " 20.....	901	376	483 00	372 00	27	9	21	1277	853 00
" " 27.....	894	324	486 00	372 00	27	9	21	1218	858 00
	3511	1388	$1941 00	$1488 00				4899	$3429 00
Week ending Dec. 4.....	831	424	$486 00	$388 00	27	9	21	1255	$874 00
" " 11.....	859	360	486 00	372 00	27	9	21	1219	858 00
" " 18.....	888	334	486 00	372 00	27	9	21	1222	858 00
" " 25.....	895	366	486 00	372 00	27	9	21	1261	858 00
" " 31.....	1027	1024	486 00	474 16	27	9	21	2051	966 16
	4500	2508	$2430 00	$1978 16				7008	$4408 16

TABLE A.—Continued.

SIXTH DISTRICT. J. MEAGHER, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending Jan. 4	1262	1174	$486 00	$347 33	27	9	19	2436	$833 33
" " 11	1230	1148	486 00	331 08	27	9	19	2378	817 08
" " 18	1247	1181	486 00	338 97	27	9	19	2428	824 97
" " 25	1259	860	486 00	244 28	27	9	19	2119	730 28
	4998	4363	$1944 00	$1261 66				9361	$3205 66
Week ending Feb. 1	1273	992	$486 00	$303 46	27	9	19	2265	$789 46
" " 8	1245	1100	486 00	325 31	27	9	19	2345	811 31
" " 15	1239	1071	486 00	318 44	27	9	19	2310	804 44
" " 22	1231	1089	486 00	336 82	27	9	19	2320	822 82
	4988	4252	$1944 00	$1284 03				9240	$3228 03

Week ending March 1.....	1234	1083	$486 00	$320 10	27	9	19	2317	$806 10
" " 8.....	1062	782	486 00	219 10	27	9	19	1844	705 10
" " 15.....	1223	1055	486 00	293 80	27	9	19	2278	779 80
" " 22.....	1241	1020	486 00	265 80	27	9	19	2261	751 80
" " 29.....	1220	1093	486 00	313 12	27	9	19	2313	799 12
	5980	5633	$2430 00	$1411 92				11013	$3841 92
Week ending April 5.....	1297	1082	$486 00	$322 63	27	9	19	2379	$808 63
" " 12.....	1208	920	486 00	293 48	27	9	19	2120	779 48
" " 19	1211	1220	486 00	352 00	27	9	19	2431	838 00
" " 26.....	1204	1176	486 00	347 50	27	9	19	2380	833 50
	4920	4398	$1944 00	$1315 61				9318	$3259 61
Week ending May 3.....	1077	1006	$486 00	$311 44	27	9	19	2083	$797 44
" " 10.....	1078	1064	486 00	310 29	27	9	19	2142	796 29
" " 17.....	1142	1090	486 00	321 29	27	9	19	2232	807 29
" " 24.....	1143	1196	486 00	343 31	27	9	19	2339	829 31
" " 31.....	1027	1115	486 00	341 50	27	9	19	2142	827 50
	5467	5471	$2430 00	$1627 83				10938	$4057 83

TABLE A.—Continued

SIXTH DISTRICT. — J. MEAGHER, Sup't	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending June 7.....	897	1224	$486 00	$352 00	27	9	19	2121	$838 00
" " 14.....	890	1204	486 00	349 00	27	9	19	2094	835 00
" " 21.....	898	1157	486 00	328 63	27	9	19	2055	814 63
" " 28.....	894	1224	486 00	352 00	27	9	19	2118	838 00
	3579	4809	$1944 00	$1381 63				8388	$3225 63
Week ending July 5.....	1068	1177	$486 00	$349 00	27	9	19	2245	$835 00
" " 12.....	895	1223	486 00	349 48	27	9	19	2118	835 48
" " 19.....	889	1223	486 00	352 00	27	9	19	2112	838 00
" " 26.....	887	1182	486 00	347 50	27	9	19	2069	833 50
	3739	4805	$1944 00	$1397 98				8544	$3341 98

Week ending Aug. 2	888	1125	$486 00	$332 44	27	9	19	2013	$818 44
" " 9	1013	1179	486 00	352 00	27	9	19	2192	838 00
" " 16	906	1164	486 00	239 64	27	9	19	2070	825 64
" " 23	883	1178	486 00	344 80	27	9	19	2061	830 80
" " 30	883	1225	486 00	352 00	27	9	19	2108	838 00
	4573	5871	$2430 00	$1720 88				10444	$4150 88
Week ending Sept. 6	930	1236	$477 00	$352 00	27	9	19	2166	$829 00
" " 13	920	1195	486 00	336 63	27	9	19	2115	822 63
" " 20	929	1182	486 00	322 14	27	9	19	2111	808 14
" " 27	929	1233	486 00	352 00	27	9	19	2162	838 00
	3708	4846	$1935 00	$1362 77				8554	$3297 77
Week ending Oct. 4	1019	1077	$486 00	$301 96	27	9	19	2096	$787 96
" " 11	1278	1128	486 00	311 12	27	9	19	2406	797 12
" " 18	1282	1225	486 00	352 00	27	9	19	2507	838 00
" " 25	1267	1194	486 00	340 65	27	9	19	2461	826 65
	4846	4624	$1944 00	$1305 73				9470	$3249 73

TABLE A.—Continued

SIXTH DISTRICT. — J. MEAGHER, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending Nov. 1	1276	1207	$486 00	$337 26	27	9	19	2483	$823 26
" " 8	1207	1186	486 00	347 50	27	9	19	2393	833 50
" " 15	1093	1204	486 00	347 50	27	9	19	2297	833 50
" " 22	1084	1233	486 00	352 00	27	9	19	2317	838 00
" " 29	1219	1211	486 00	350 50	27	9	19	2430	836 50
	5879	6041	$2430 00	$1734 76				11920	$4164 76
Week ending Dec 6	1209	1196	$486 00	$329 93	27	9	19	2405	$815 93
" " 13	1235	1119	486 00	332 14	27	9	19	2354	818 14
" " 20	1226	1027	486 00	312 77	27	9	19	2253	798 77
" " 27	1203	1220	486 00	352 00	27	9	19	2423	838 00
" " 31	1206	1271	486 00	354 94	27	9	19	2477	840 94
	6079	5833	$2430 00	$1681 78				11912	$4111 78

TABLE B.

Report of Work done in the Department of Street Cleaning, for each Month of the Year ending December 31st, 1889, and amount expended for Dumps, Tools and Incidentals; also total amount of Receipts for Refuse, &c.

MONTH ENDING	Total No. of Loads of Garbage collected and removed.	Total No. Loads Street Dirt, Sand, Snow, Ice, &c., col. and removed.	Cost of collecting and removing Garbage.	Cost of collecting and removing Street Dirt, Sand, Ice, Snow, &c	Cost of the several Dumps.	Expenditures for Tools, Incidentals, &c.	Number of Garbage Carts employed.	Number of Street Carts employed.	Number of Scrapers and Sweepers employed.	Total Number of Loads of all kinds removed.	Total Expenditures for work done in Street and Garbage Department.	Total amount of Money received and paid to Comptroller.	Paid to M. W. Adams for removal of Garbage.
January ...	22,698	18,096	$11,338 00	$ 9 325 15	$394 66	$ 48 25	147	57	134	40,794	$20,663 15	$107 50	$4,250 00
February .	21,049	16,821	10,578 00	8,583 48	384 00	70 00	147	57	134	37,870	19,161 48	.....	.....
March.....	23,365	17,209	11,592 00	8,571 00	374 00	153 60	147	57	134	40,574	20,163 00	220 25	.....
April.....	22,036	18,476	11,259 00	9,637 11	392 66	83 37	148	57	134	40,512	20,896 11	100 00	2,125 00
May.....	22,921	18,610	12,294 00	9,945 64	394 66	70 15	148	57	134	41,531	22,239 64	175 60	.....
June	19,095	17 817	10,974 00	9,717 25	384 00	201 06	149	57	134	36,912	20,691 25	154 95	.....
July.....	20,887	18,745	11,856 00	10,273 73	389 34	136 62	149	57	134	39,632	22,129 73	572 40	2,125 00
August....	21,485	19,893	12,210 00	10,458 89	398 00	232 27	149	57	134	41,378	22,668 89	.....	.....
September .	19,457	17,849	11,145 00	9,602 09	392 66	101 75	149	57	134	37,306	20,747 09	87 50	.....
October....	21,331	18,017	11,949 00	10,138 95	394 66	103 37	149	57	134	39,348	22,087 95	.....	.....
November .	21,655	19,006	11,748 00	10,166 55	384 00	199 85	149	57	134	40,661	21,914 55	98 35	.....
December .	25,868	23,546	13,398 00	11,985 54	389 34	274 37	149	57	134	49,414	25,383 54	242 55	.....
	261,847	224,085	$140,341 00	$118,405 38	$4,671 98	$1,674 66				485,932	$258,746 38	$1,759 10	$8,500 00

TABLE C.

RECAPITULATION.

Total number of loads of garbage and ashes collected and removed, from January 1st to December 31st, 1890, inclusive	261,847
Total number of loads of street dirt, sand, &c., collected and removed, from January 1st to December 31st, 1890, inclusive	224,085
Total number of all kinds removed during the year 1890	485,932

TABLE C—Concluded.

Total amount paid for collecting and removing garbage and ashes, from January 1st to December 31st, 1890, inclusive	$140,341 00
Total amount paid for collecting and removing street dirt, sand, &c., from January 1st to December 31st, 1890, inclusive	118,405 00
	$258,746 00
Amount of money received for refuse, from January 1st to December 31st, 1890, inclusive	$ 1,759 10

TABLE D.

Showing the amount of Animal and Vegetable Garbage delivered to Contractors at Winans' Cove and Canton Dumps.

1890. MONTHS.	CANTON DUMP.	No. of Loads.
January	John Holdefer, Sup't	728
February	" "	735
March	" "	914
April	" "	732
May	" "	1679
June	" "	2633
July	" "	2738
August	" "	4264
September	" "	3074
October	" "	2098
November	" "	1453
December	" "	943
		21991

TABLE D—Concluded

1890. MONTHS.	WINANS' COVE DUMP.	No. of Loads.	TOTAL.
January	L. S. Fefel, Sup't	1429	2157
February	" "	1452	2187
March	" "	2007	2921
April	" "	2153	2885
May	" "	3741	5420
June	" "	3891	6524
July	" "	4331	7069
August	" "	6992	11256
September	" "	4502	7576
October	" "	3370	5468
November	" "	1778	3231
December	" "	1740	2683
		37386	59377

TABLE E.

Showing Disbursements for year ending December 31st, 1890.

Total amount expended for collecting and removing garbage, ashes, street dirt, &c., from January 1st to December 31st, 1890	$258,746 38
Amount expended for dumps, from January 1st to December 31st, 1890	4,671 98
Amount expended for salaries, from January 1st to December 31st, 1890	9,999 60
Amount expended for tools, from January 1st to December 31st, 1890	1,674 66
Paid to M. W. Adams for removal of garbage	8,500 00

TABLE E—Concluded.

Amount of appropriation for the Department of Street Cleaning for the year 1890	$285,846 00
Amount of appropriation expended	283,592 62
Total unexpended balance	$ 2,253 38

TABLE F.

Showing amount expended for removal of Garbage, Street Dirt, &c., in the City Annex, and Salary of Superintendent.

SEVENTH DISTRICT. — JOS. McGEE, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending Jan. 4	433	60	$198 00	$48 00	11	1	3	493	$246 00
" " 11	427	60	198 00	48 00	11	1	3	478	246 00
" " 18	422	58	198 00	42 32	11	1	3	480	240 32
" " 25	423	15	198 00	33 31	11	1	3	438	231 31
	1705	193	$792 00	$171 63				1898	$963 63
Week ending Feb. 1	422	45	$198 00	$36 00	11	1	3	467	$234 00
" " 8	426	55	198 00	43 98	11	1	3	426	241 98
" " 15	425	50	198 00	36 00	11	1	3	475	234 00
" " 22	428	56	198 00	54 16	11	1	3	484	252 16
	1701	206	$792 00	$170 14				1907	$962 14

Week ending March 1.....	429	52	$198 00	$39 99	11	1	3	481	$237 99
" " 8.....	434	25	198 00	19 15	11	1	3	459	217 15
" " 15.....	432	52	198 00	36 00	11	1	3	484	234 00
" " 22.....	429	40	198 00	27 99	11	1	3	469	225 99
" " 29.....	430	50	198 00	50 16	11	1	3	480	248 16
	2154	219	$990 00	$173 29				2373	$1163 29
Week ending April 5.....	422	55	$198 00	$37 49	11	1	3	477	$235 49
" " 12.....	423	56	198 00	39 98	11	1	3	479	237 98
" " 19	423	65	198 00	48 00	11	1	3	488	246 00
" " 26.....	423	64	198 00	63 00	11	1	3	487	261 00
	1691	240	$792 00	$188 47				1931	$980 47
Week ending May 3.....	423	55	$198 00	$31 98	11	1	3	478	$229 98
" " 10.....	435	50	198 00	35 16	11	1	3	485	233 16
" " 17.....	425	55	198 00	43 98	11	1	3	480	241 98
" " 24.....	434	55	198 00	60 48	11	1	3	489	258 48
" " 31.....	416	105	198 00	71 65	11	2	5	521	269 65
	2133	320	$990 00	$243 25				2453	$1233 25

TABLE F.—Continued.

SEVENTH DISTRICT. JOS. McGEE, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending June 7	405	110	$198 00	$ 85 16	11	2	5	515	$283 16
" " 14.....	398	96	198 00	94 33	11	2	6	494	292 33
" " 21.....	391	96	198 00	96 00	11	2	6	487	294 00
" " 28.....	392	98	198 00	102 13	11	2	6	490	300 13
	1586	400	$792 00	$377 62				1986	$1169 62
Week ending July 5.....	365	114	$198 00	$87 96	11	2	6	479	$285 96
" " 12.....	386	100	198 00	61 46	11	2	6	486	259 46
" " 19	369	111	216 00	96 00	12	2	6	480	312 00
" " 26.....	359	106	216 00	109 50	12	2	6	465	325 50
	1479	431	$828 00	$354 92				1910	$1182 92

Week ending Aug. 2.....	361	89	$216 00	$63 96	12	2	6	450	$279 96
" " 9.....	369	122	216 00	96 00	12	2	6	491	312 00
" " 16.....	385	107	216 00	79 98	12	2	6	492	295 98
" " 23.....	370	118	216 00	89 30	12	2	6	488	305 30
" " 30.....	393	130	216 00	109 33	12	2	6	523	325 33
	1878	566	$1080 00	$438 57				2444	$1518 57
Week ending Sept. 6.....	372	113	$216 00	$ 93 49	12	2	6	485	$309 49
" " 13.....	392	120	216 00	87 96	12	2	6	512	303 96
" " 20.....	395	112	216 00	79 98	12	2	6	507	295 98
" " 27.....	424	112	216 00	102 96	12	2	6	536	318 96
	1583	457	$864 00	$364 39				2040	$1228 39
Week ending Oct. 4.....	439	90	$216 00	$72 00	12	2	6	529	$288 00
" " 11.....	433	90	216 00	63 84	12	2	6	523	279 84
" " 18.....	404	124	216 00	60 00	12	2	6	528	312 00
" " 25.....	417	100	216 00	94 98	12	2	6	517	310 98
	1693	404	$864 00	$290 82				2097	$1190 82

TABLE F.—Continued.

SEVENTH DISTRICT. — JOS. McGEE, Sup't.	Garbage and Ashes Removed.	Street Dirt, Sand, &c., Removed.	Cost of Removal of Garbage.	Cost of Removal of Street Dirt, Sand, &c.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Amount of Loads Removed.	Total Amount of Expenditures.
Week ending Nov. 1.....	425	120	$216 00	$92 64	12	2	6	545	$308 64
" " 8.....	417	120	216 00	89 32	12	2	6	537	305 32
" " 15.....	424	104	216 00	79 80	12	2	6	528	295 80
" " 22.....	472	116	216 00	95 13	12	2	6	588	311 13
" " 29.....	432	124	216 00	94 80	12	2	6	556	310 80
	2170	584	$1080 00	$451 69				2754	$1531 69
Week ending Dec. 6.....	427	110	$216 00	$76 48	12	2	6	537	$292 48
" " 13.....	444	120	216 00	87 78	12	2	6	564	303 78
" " 20.....	443	98	216 00	86 82	12	2	6	541	302 82
" " 27.....	415	110	216 00	79 80	12	2	6	525	295 80
" " 31.....	438	120	216 00	96 00	12	2	6	558	312 00
	2167	558	$1080 00	$426 88				2725	$1506 88

TABLE F—Concluded.

Amount expended for removing garbage and ashes, from January 1st to December 31st, 1890	$10,979 00
Amount expended for removing street dirt, sand, &c., from January 1st to December 31st, 1890	3,686 00
Salary of Superintendent, from January 1st to December 31st, 1890	999 96
Amount of appropriation	17,284 00
Unexpended balance	$ 1,618 37

ANNUAL REPORT

—OF THE—

EXAMINER OF TITLES

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

Fiscal Year Ending December 31, 1890.

REPORT.

BALTIMORE, January 2d, 1891.

To the Honorable

Robert C. Davidson, Mayor.

DEAR SIR:

I respectfully submit herewith my report of the work done in my department of the City Government during the year 1890.

First, the titles of the following streets were preliminarily examined, viz:

Regester street, from Oliver street to North avenue.

Ann street, from Oliver street to North avenue.

Patapsco street, from Ostend street to West street.

Brevard street, from Biddle street to Preston street.

Fifth lane, from Jackson street to the water line.

McCulloh street, from Biddle street to Eutaw street.

East Baltimore street, from Jones' falls to Exeter street.

Lovegrove alley, from Adams alley to First street.

Riggs avenue, from Stricker street to Fremont street.

Beason street, from Andre street to Steuart street.

Castle alley, from Monument street to Eager street.

Chew street, from Washington street to Chester street.

Fourth street, from Fort avenue to the Gould line.

Carey street, south of the south side of North avenue.

In addition to the above, examinations have been made and completed of the following streets, viz:

Mount street, from Lexington street to Edmondson avenue.

Pinckney street, from Cross street to Stockholm street.

Penn street, from Haw street to Columbia avenue.

And final examinations have been made for the payment of damage certificates in the opening of Douglas street, from Aisquith street to Holliday street. The completion of the Douglas street examinations I hope to have during the present month.

There was considerable work done in the matter of the widening of Fayette street, from Calvert street to Liberty street, prior to the repeal of the former ordinance, which work will be utilized under the ordinance now in force.

Final examinations for the payment of damages were also made in the following streets:

Carroll, from Cross to Stockholm street.

Townsend street, from Caroline street to Broadway.

Beason street, from Hull street to Andre street.

Etting street, from Robert street to Laurens street.

Oliver street, from Aisquith street to Harford avenue.

Nanticoke street, from Cross to Stockholm street.

Richardson street, from Fort avenue to Beason street.

Richardson street, from Fort avenue to Claggett street.

Clement street, from Hull street to Garrett avenue.

Mosher street, from Kirby's lane to the western City limits.

Lanvale street, from Bond street to Wolfe street.

Calhoun street, from Cemetery lane to Winchester street.

Carey street, from Cemetery lane to Winchester street.

Carrollton avenue, from Mosher street to Winchester street.

Wooster street, from Washington avenue to Nanticoke street.

Fairmount avenue, from Patterson Park avenue to Luzerne street.

Lawrence street, from Fort avenue to Clement street.

Barclay street, from North avenue to First street.

Carroll street, from Bayard street to Stockholm street.

Biddle street, from Bond street to Broadway.

Spring street, from Preston street to Hoffman street.

In addition to the above, examinations were made and deeds prepared and executed for the following pieces of property for school-house purposes, &c., as follows:

1. February 1st, 1890, Eberhard Kuhn to the Mayor and City Council, lot on southeast corner Clement and Light street, for Primary School, under Ordinance 139, of 1889.

2. February 21st, 1890, Mary L. Sadtler, &c., to the Mayor and City Council, south side of Huntingdon avenue, for Annex School No. 3.

3. April 8th, 1890, Julian J. Chisholm to the Mayor and City Council, southeast corner Hudson alley and Second street, for No. 16 Engine.

4. May 2d, 1890, Eliz. H. Morison, &c., to the Mayor and City Council, east side of Light street, for addition to South Branch Enoch Pratt Library.

5. May 27th, 1890, Dixon Gough to Mayor and City Council, use of wall No. 8 Engine, Mulberry street.

6. May 31st, 1890, Benj. P. Moore to Mayor and City Council, northeast corner Washington and North avenue, Annex School 13.

The title of seven lots, located on south Bond street, near Canton avenue, for Primary School No. 25, were examined and the necessary deed prepared, which will be executed when possession is given the City by the respective vendors.

The title to Carroll Park was also examined, and the deed prepared, executed and delivered.

The question of the purchase of what are known as the Presstman lots in Druid Hill Park also involved an examination of title, which was done preliminary to the condemnation proceedings in the City Court, which examination will be completed when the money is to be paid.

I believe it would be to the interest of the City that in the matter of street openings, the following suggestions should be incorporated as ordinances:

First. Every street should be opened from end to end, by one ordinance, so as to have but one expense.

Second. No ordinance for street opening should be passed, unless first submitted to and approved by the Commissioners for Opening Streets, and no alley under twenty feet in width should be opened at the City's expense.

All of which is respectfully submitted.

JAS. W. McELROY,
Examiner of Titles.

THIRTY-FIRST ANNUAL REPORT

—OF THE—

PUBLIC PARK COMMISSION

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

Fiscal Year Ending December 31, 1890.

The Public Park Commission

OF BALTIMORE, MARYLAND.

HON. ROBERT C. DAVIDSON, Mayor,

Chairman, Ex Officio.

GEN. JOHN S. BERRY,

Secretary.

JOHN H. B. LATROBE,

DAVID L. BARTLETT,

GERMON H. HUNT,

JOHN C. FROELICH,

FREDERICK WEHR.

REPORT.

BALTIMORE, December 31st, 1890.

To the Mayor and City Council of Baltimore:

The ordinance providing for a public park or parks, requires the Commission to make, annually, to the Mayor and City Council, in season to be referred to in the Annual Message of the Mayor to the City Council, a full and detailed report of their proceedings in the execution of the trust reposed in them, showing the character and quantity of work done and the monies paid therefor; the persons in their employment, their duties and compensation; together with the plan proposed for their operations during the coming year.

These reports were made regularly until the change that was made in the mode of appointing the Commission by Ordinance No. 119, approved November 5th, 1888. In this year, there being no Commission competent to make the report, there was substituted the report of the General Superintendent and Engineer, which furnished the information required by the original ordinance. The hiatus in the sequence of the

reports is thus accounted for, and the report of the General Superintendent and Engineer becomes the thirtieth report of the Commission.

The Commission are glad to be able to report that, during the past year, the arrears of the park tax due by some of the City passenger railway companies, have now all been duly paid, the views of the Commission in this regard having been fully sustained by the Court of Appeals in the disputed cases.

The character and quantity of the work done during the year ending in December, 1890, is so fully described by the General Superintendent and Engineer, along with the moneys paid therefor, and the persons, their duties and compensation, employed, that it is not necessary in this connection to do more, at this time, than to refer to the report of the General Superintendent for the particulars.

During the last year, 1890, besides the work required for the proper maintenance of the parks in charge of the Commission, other work has been performed which comes under the head of permanent improvement, the details of which are given in like manner in the report referred to. Of these, the most prominent is the Cedar Avenue bridge, which was thrown open for the public on September 21st, and the constant use of which since then has shown its importance. In this connection is to be mentioned the construction of five additional shelter houses at Druid Hill and two at Patterson Park. The

ramparts of the old fort near the Madison entrance at Druid Hill have been removed, and the ground there has been restored to its natural surface, while the trees that had grown since the fort was built in 1863, and which had become a conspicuous feature of this portion of the park, were preserved.

The Commission are glad to be able to report that the title to four and a half acres within the limits of Druid Hill Park, belonging to the estate of the late George Presstman, has at last been obtained by condemnation. The award of the jury was $33,925.00. Should there be no exceptions filed to the verdict, or should it be confirmed by the court, the land in question will be restored to the area of the park, from which it has been cut off for a season, during the pendency of the proceedings whose result is given above.

There have been few things connected with Druid Hill Park more important than its drainage, which, year after year, has been attended to, until little more is to be done in this respect.

While what is here said of the particular details of the work done by the Commission relates mainly to Druid Hill Park, the same may be said of Patterson Park, Federal Hill Park, Riverside Park, Johnson Square, Collington Square, the Frick Triangle, the sunken gardens along Jones' falls, all of which are in good order.

The addition to Patterson Park being a work still in process of construction, is not included in the remarks, and has been thus made the subject of a separate report.

With regard to Federal Hill Park, it is proper to say that, while as far as practicable, it has been kept in good order, yet from the peculiar character of the ground, undermined as it has been for sand for many years before it was adapted to its present uses, it has been impossible to preserve at all times its level surfaces, which are constantly falling into the old caves, nor can it be hoped that this will not continue to be the case for years.

It now remains to indicate the plan proposed by the Commission for their operations during the coming year.

The most important of these will be the preparation of the plans for the improvement, ornamentation and construction of Carroll Park, in the southwestern portion of the City, of about nineteen acres, not large enough to be dealt with as a portion of forest land might be, as was the case at Druid Hill Park; its beauty hereafter will depend in a great degree upon combinations of trees, shrubs and flowers, after the manner of Patterson Park. What this may be, it is too early to attempt to describe; instructions, however, have already been given to the General Superintendent and Engineer to prepare a plan or plans for consideration, it being the wish, as it will be the pride, of the Com-

mission, to make Carroll Park worthy of association and of equal rank with the other parks which already have done so much to beautify the City and establish its reputation.

Among other contemplated improvements, the Commission propose to connect the lake drive at Druid Hill Park with the Mt. Royal line direct, at the upper gate, by a branch road descending the slope from the Eutaw Place entrance of a width of fifty feet, which when constructed, will surround the lake with a road of that width, thus obviating the necessity of passing around the lake by the pump house and below the great embankment, to reach Mount Royal avenue. In this connection it is proposed to extend the Eutaw Place gateway southward about one hundred feet, improving materially the park entrance at that point. These two improvements, extending as they will beyond the present limits of Druid Hill Park, will require a condemnation of a narrow strip of land from the Brooks' estate, should an amicable arrangement not be made for the purchase.

In connection with this subject the Commission have already assumed the maintenance of the surface of the lake road, which has heretofore been the duty of the Water Board, but which, made mainly necessary by the use of the public as a drive, seems properly chargeable to the Commission. The prosecution of Fulton avenue eastward suggested, some time since, a plan for its introduction into Druid Hill Park, by a road from

Chinese station to Swann avenue, thus affording a convenient access to the northwestern portion of the City.

The propagating house, not far from the house of the local superintendent, having been found insufficient for the use of the park, and besides being very inconvenient, and one might say worn out, the Commission have contracted for a new propagating house, occupying part of the mound on which the palm house stands, and which will be large enough for future probable use.

Other suggestions have been under consideration, more or less in detail; the foregoing, however, are matters more prominent at this time for the action of the Commission.

The report of the Treasurer shows that the total income applicable to Druid Hill and Patterson Parks for the last year of 1890 has been $180,570, from the following sources, after deducting the sinking fund :

Balance from the preceding year	$10,439 63
City Passenger Railway Company	61,077 19
Baltimore Traction Company	26,114 52
North Baltimore Railway Company	18,902 28
Union Passenger Railway Company (increased by the payment of $33,969.13, withheld during litigation)	44,669 93
Central Passenger Railway Company	7,208 04
York Road Railway Company	1,657 10
Amount carried forward	$170,068 69

Amount brought forward		$170,068 69
Highlandtown and Point Breeze Railway Company		4,561 89
Rents, sales, &c.		5,939 42
		$180,570 00
From this amount was paid—		
For interest	$33,000 47	
For pay-rolls and improvements at Druid Hill and Patterson Parks	94,304 88	
		127,305 35
Leaving a balance of		$53,264 65

REPORT

—OF—

C. H. LATROBE,

General Superintendent and Civil Engineer.

REPORT.

BALTIMORE, December 31st, 1890.

To the Public Park Commission.

GENTLEMEN :

I beg leave to submit herein my annual report of all the public parks. For matters of detail you are respectfully referred to the monthly reports.

DRUID HILL.

The past year has been one of great activity in Druid Hill Park, and a great deal has been accomplished. Our spring work opened as usual with repairs to roads, although the open character of the winter and the absence of snow and ice had been favorable to them and they were not so badly broken up as usual. The open winter had also enabled us to quarry a large quantity of rotten rock for road mending, and to trim during January nine thousand lineal feet of road margins. We also spread a large amount of compost the same month. February was spent in repairing roads, laying new gutter along No. 6 and in attending to drainage. The Mount Royal avenue western footway was paved

with asphalt blocks, from the entrance to Lennox street, and from above Reservoir street to Mr. Filbert's houses.

During March we also completely renovated the little valley below the monkey house, rebuilt the guard fence, moved the eagle cage, &c. The guttering and underground drainage of the entire premises was rearranged and perfected. During April road No. 6 was finished, a large amount of new guttering laid, iron horse-racks put up at the Mansion and a great deal of fence rebuilt. The granite pavement at Mount Royal entrance was reset, also the gate-sills, which had settled. The old stone quarry was cleaned up this month and the quarrying of stone commenced for use during the year. During the month of May all pressing repairs to roads were completed, and a repair gang established, of two men, with a cart and tools, whose sole business was to be continually patching small surface breaks in the roads; this has worked well and saves much labor and material. A large amount of guttering was laid this month, and many repairs completed. The masonry of the Cedar Avenue Bridge was completed in May and the erection of the superstructure begun. The new water-closets were put in at the Mansion this month and the floors cemented. The culvert at the old pump house was rebuilt, and much other masonry built.

June—The east approach road at the foot of the lawn was widened this month; the pathway from Druid

Hill avenue gateway was guttered and resurfaced ; the monkey house remodeled ; the foundations for the new shelters were begun.

July, August, September—A very large amount of work of every description was completed during these months too varied to name, consisting of fencing, pipe laying, guttering, masonry, inlets and asphalt block pavement ; also a large amount of painting. Two new gatekeeper boxes were built, one at Eutaw Place and one at Cedar avenue. The Cedar avenue approach roads were under construction, which, with the drainage involved, and the grading and shaping up required, was one of the heaviest pieces of work undertaken during the year. The steam roller has been actively engaged during the entire season, consolidating roads, with excellent effect ; none of our grades are too steep for it. Cedar Avenue Bridge was opened September 21st.

October—The Cedar avenue approaches were practically finished this month and travel turned on them. A large amount of fencing and guttering was completed ; also the stone work for the five shelters ; the iron work for these arrived this month and erection was begun.

November—The asphalt block pavement was laid under the Mansion portico this month ; also much guttering and fencing done. The gatehouses at Madison avenue and Mount Royal were cleared of wainscoting

and plastered. The shelters were mostly roofed in. The removal of the ramparts of the old fort was begun and the terrace back of the palm house extended for the new propagating house. The contract for this house was made with Mr. Jones, builder.

December—This month has seen the satisfactory completion of all important work in hand. The shelters are complete; the painting all or nearly all done; the ramparts of the old fort have been razed; Orem's station has been moved, &c.

All property and stock are in good condition. The palm house and entire gardening department are in excellent order. A very large amount of work has been successfully and economically done, and the park in general has never been in such excellent order. I must acknowledge the faithfulness and industry of Captain Wm. H. Cassell, the local superintendent, and his subordinates, whom he keeps under good and kindly discipline. I submit below a condensed schedule of work done; also a classification of expenditures under their most important heads:

Condensed schedule of work done during 1890.

Laid of new stone gutter, various width, lineal feet	9,760
Laid of new brick gutter, various width, lineal feet	2,525
Relaid brick gutter, various width, lineal feet.	5,683
New inlets built, No. 1	27
New inlets built, No. 2	23

Pebble paving, square yards	1,744
Terra cotta pipe laid, 6-inch	1,320
Terra cotta pipe laid, 8-inch	420
Terra cotta pipe laid, 10-inch	117
Terra cotta pipe laid, 12-inch	125
Six feet picket fence, lineal feet	2,036
Four feet wire fence, lineal feet	840
Six feet picket fence repaired	2,500
Tree boxes made and set out	829
Guard rail, new, heavy, lineal feet	1,063
Guard rail, new, standard, lineal feet	4,770
Guard rail, standard, repaired	1,549
Asphaltum blocks laid, square yards	1,674
New incandescent lights	3
New arc lights	2
New shelters built	5
New gate houses	2
New flights of steps built	5
New iron horse racks	5

Ceiling of Madison avenue gateway rebuilt in galvanized iron.

Ramparts of old fort removed.

Terrace back of palm house finished.

Besides all repairs of roads, paths, etc., and other routine work.

DRUID HILL PARK.

Classification of expenditures for the year ending December 31, 1890.

Interest on park loans	$26,614 80
Pay rolls	38,872 27
Materials	7,597 22
New buildings, contract only	5,198 00
Paving, contract only	2,431 47
Masonry, contract only	364 31
Rolling stock and machinery, new	33 60
Repairs to rolling stock and machinery	489 65
Tools and hardware	308 19
Gardener's supplies	671 31
Fuel	645 75
Plumbing	527 42
Paints and painting	1,431 75
Roofing and spouting	409 62
Harness and repairs	179 90
Food for work animals	1,448 07
Food for show animals	1,106 53
Electric lighting	2,690 48
Gas lighting	117 75
Horse shoeing	366 00
	$100,816 24
Deduct interest account	26,614 80
Maintenance of Park	$74,201 44

Our flock of Southdowns never was as much in demand as during the past year. We have sold twenty-seven bucks and forty-two ewes; eleven of the latter, being superannuated, were sold to butchers at about three dollars each. All other sales were at fifteen dollars per head. The price is now raised to twenty dollars by order of the Commission.

Number of arrests during the year have been seventy-four, among them the case of Chas. Miller for assault on a female; sent to the penitentiary for five years. This was the third case of the kind since Captain Cassell took charge twenty-eight years ago, and all were convicted. The local Superintendent returns thanks to the city police force for their hearty co-operation. The number of permits issued during the year for picnics, five hundred and one, indicating the gathering of one hundred thousand two hundred persons, a large increase over last year. Baseball permits, six hundred and eighty-two; lacrosse, eight; cricket, ten.

During the past year we have planted in Druid Hill Park one hundred and thirty deciduous trees and three hundred and seventy-five evergreens.

Since my appointment as General Superintendent and Engineer of Public Parks in 1886, I have had planted out in Druid Hill Park, beginning November, 1887, six hundred and eighty deciduous trees and four hundred and sixty-three evergreens of the following varieties:

Deciduous Trees.

65 Pin oaks.
51 Scarlet oaks.
14 Macrocarpa oaks.
12 Phellos oaks.
2 Cerris oaks.
2 Lyrata oaks.
12 Red oaks.
19 Blood-leaved maples.
2 Norway maples.
2 White hickory.
5 Shellbark hickory.
7 Kentucky coffee.
37 Blood beech.
20 American beech.
8 Weeping willow.
4 Red-flowered dogwood.
52 American elm.
6 Cut-leaved birch.
2 White birch.
39 Lombardy poplar.
20 European ash.
3 Cerasus Pendula fl. rosea.
35 English oaks.
10 White oaks.
1 Fastigiata oak.
8 Bicolor oaks.
2 Dentata oaks.
2 Imbricaria oaks.
6 Forest oaks.
7 Sugar maples.
3 Weir's cut-leaved maple.
2 Pignut hickory.
1 American linden.
8 Forest beech.
27 European beech.
10 Weeping beech.
7 Weeping dogwood.
14 Weeping elm.
48 Sycamore.
4 Weeping birch.
101 Carolina poplar.
15 Tulip poplar.
3 Sweet gum.

Total, 680.

Evergreens.

17 Retinospora plumosa.
5 Retinospora filifera.
10 Retinospora plumosa aurea.
16 Retinospora squarrosa.
5 Retinospora plumosa compacta.
2 Lawson's cypress.

115	Norway spruce.	27	Hemlock spruce.
1	Douglas spruce.	28	Blue spruce.
17	Colorado spruce.	5	Inverta spruce.
3	Pinus resinosa.	3	Pinus densiflora.
1	Pinus sylvestris.	12	Excelsa.
68	White.	25	Austrian.
5	Thuja gigantea.	10	Thuja pyramidalis.
11	Thuja sibirica.	10	Thuja globosa.
9	Thuja occidentalis.	5	Juniperus stricta.
53	Juniperus Virginiana.		
	Total, 463.		Grand total, 1,143.

In regard to plans for the coming year the following are probably the most important:

1st. The getting possession of the Presstman property, which I presume we will soon have unless an appeal of some sort is taken.

2d. The acquisition of the strip of Mr. Brooks' property and the remodeling of the Eutaw Place entrance and the lake drive, etc.

3d. The construction of the Fulton avenue entrance and road to Swann avenue.

4th. The necessity of macadamizing some of the drives, and thus economizing in rotten rock.

5th. The reconstruction of the water supply of the park and the laying of a larger main.

6th. The erection of a large shelter, either on the old fort or in the vicinity, for the convenience of people coming and going by the car lines, with a retiring and wash room for people with children.

7th. The establishment of small fountains at the shelters for the convenience of the visitors.

PATTERSON PARK.

During January and February our winter force was occupied in pruning trees and shrubs, and in removing such trees as were overcrowding the others; they were all silver maples, many of them having been planted from twelve to fifteen feet apart. The weather was so mild at this time that we did a good deal of road repairing, took up and relaid obstructed drains, etc. All the park benches were repaired during these two months. During March a good deal of subsoil drainage was completed, tree holes dug, and exhausted shrubbery taken out to be replaced. The roof of the dwelling house was repaired. During April, subsoil drainage was continued in many wet places. One hundred and sixty-nine flowering shrubs were set out in groups, all from the park nursery. Ten evergreens planted and seven oaks. The work of raising the tiled floor of the Taurus fountain and resetting the fountain was begun. The chimneys on the dwelling were partially rebuilt and arched. Two hundred and fifty benches were painted this month. New gutters and spouting put on stable. The drainage around the

dwelling was remade. During this month the dwelling and stable received two coats of paint outside and the music pavilion two coats inside and out. On April 27th, occurred the great hail storm, which broke one thousand six hundred and fifty lights in the conservatory and propagating house, damage about two hundred dollars. No injury was done to plants.

May.—Damage to conservatory, etc., by hail, all repaired. Alteration to Taurus fountain and painting of benches completed. A new buckthorn wire fence was started on Baltimore street, and one thousand one hundred feet put up; also the completion of the paving on Baltimore street was begun. The pump house, ladies' house, spring house, gate house at Lombard street and pagoda at Gough street, were all painted in two coats. Two thousand two hundred bedding plants were set out.

June.—Completed the buckthorn wire fence on Baltimore street, also the paving the sidewalk. Fifty new benches were completed in our carpenter shop and set out after being painted. Twelve tons of hay cut and stored.

July and August.—The steps at the Burke street entrance, on Baltimore street, were built. Fifty more new benches made and set out. A large amount of repairing was done to guard fences and drains. The wooden fence on Eastern avenue was taken down and rebuilt.

September.—The entrance at Burke street completed and gate hung. The foundations for the two new shelters were built of stone and filling done around them. The propagating house was taken in hand for thorough repairs, of which it was much in need. The scraping and painting of the entire iron railing around the western and southern side of the park was begun.

October.—The repairs on the propagating house were completed; the entire eastern side being decayed, a brick wall was built in its place, also a brick base was laid under the south wall; much wood-work was replaced, and new plant benches put up. The painting of iron railing and gateways was finished this month. Twenty-eight cedars and twenty-one arbor vitæs were set out from the park nursery; also eleven oaks, four hickories, four red-flowering dogwoods, three weeping cherries and three magnolias.

November.—The building of the new wagon shelter in the stable yard, and the entire remodeling of the yard with its drainage and paving, was completed this month. The gate house at Eastern avenue, and all guard rails requiring it, were painted. All trees and shrubs set out this fall were top dressed. The entrance at Lombard street was relaid with asphalt blocks, also the entrance at Eastern avenue. The erection of the two new shelters began this month.

December.—The two new shelters were completed. The park carts and wagon repainted, and everything

made snug for winter. As skating has actively begun, a good deal of labor has to be done in scraping and cleaning the surface. It gives me great pleasure to report everything at Patterson in excellent order, walks, drives, buildings, plantation enclosures, and the contents of the conservatory and propagating house. The work has been most efficiently and economically done during the year past, all of which testifies to the efficiency of Archibald Anderson, the Local Superintendent, and his readiness to respond to every suggestion or order for the improvement and care of the property. The conservatory, I do not think, can be surpassed in the beauty and luxuriance of its contents. In regard to the coming years, I suggest the enlarging of our propagating house to meet the constantly increasing demands upon it, as well as the future demands for the Extension. The construction of an observatory on Fort hill is in your hands, with the plans for the same.

I give below a summary of new work done during the year:

Brick gutter laid during the year, lineal feet	2,309
New drain wells built	20
Terra cotta pipe laid, lineal feet	188
New guard fences built, lineal feet	514
New stone gutter laid, lineal feet	94
Oyster shell trenches laid, lineal feet	533
New benches made	100
Asphaltum blocks laid	1,500

Paving bricks laid	42,000
Arch bricks laid in walls	20,000
Barrels of cement used	85
Buckthorn wire fence built, lineal feet	1,200

One new wagon house built complete.

Two new shelters built complete.

The above are in addition to repairs of all kinds to existing works.

List of Trees and Shrubs set out.

Flowering shrubs	169

Evergreen.

Thuja gigantea	10
American cedar	28
Arbor vitæ	21

Deciduous.

Chestnut oaks	2
Imbricaria oaks	2
English oaks	2
Turkey oak	1
Hickories	4
Weeping cherries	3
Fastigiata oak	1
White oaks	3
Red oak	1
Lyrata oak	1
Red dogwoods	4
Magnolias	3

Classification of Expenditures for the year ending December 31st, 1890.

Interest on park loans	$6,653 67
Pay-rolls	10,892 96
Materials	2,372 82
Fuel	339 90
Plumbing	103 70
Food for work animals	174 38
Food for show animals	43 50
Paints and painting	1,105 82
Roofing and spouting	56 59
Masonry, contract only	70 44
New buildings, contract only	2,000 00
Gardener's supplies	280 20
Rolling stock and machinery, new	125 80
Repairs to rolling stock and machinery	172 33
Tools and hardware	106 28
Electric lighting	756 45
Gas lighting	38 86
Horseshoeing	38 85
Office expenses	30 82
Miscellaneous	1,125 74
	$26,489 11
Deduct interest on loans	6,653 67
Cost of maintenance	$19,835 44

PATTERSON PARK EXTENSION.

This work has progressed very well during the past year, and with the aid of the tracks and cars, the weather very seldom puts a stop to the work, except in the case of heavy rains. The sewers built by the City are now taking all the flow which comes down through the two valleys leading into the extension. The exterior slopes are being rapidly developed, and were being sodded and fenced as fast as finished, until the freeze put an end to the sodding. We have been very much aided during the year by earth and rubbish hauled in on the Eastern avenue side by the Traction Company and other parties. On the Baltimore street side we have been and are receiving considerable amounts of ashes since cold weather set in. The lake embankment was pushed ahead, puddled and rip-rapped with stone until freezing weather stopped operations. The piles are all driven for the water-gate house, and the coming year will see a considerable extent of finished surface developed. I believe the balance on hand, of $131,160.21, will complete the work. A classification of the cost of the work during 1890 follows.

Classification.

Pay rolls of all kinds	$ 48,721 17
Cars, track, tools, etc.	4,238 36
Drain pipe	53 32
Lumber and cross-ties	764 60
Bricks	95 26

Paints for cars, etc.	16 98
Explosives.	227 50
Miscellaneous.	475 92
Total for 1890.	$ 54,593 11
Balance on hand.	131,160 21

FEDERAL HILL.

The special work laid out for the past year, 1890, at this park was the redressing of all the slopes into which piles had been driven in the fall of 1889, but the winter and spring of 1889 and 1890 developed a new and very heavy slip in the upper north terrace which required immediate attention, and which so far used up the appropriation of $1,800 that by June 15th the work had to be suspended, and whilst the hill is safe, for the present at least, from heavy slides, it remains in a very ragged condition for want of funds, the pile heads standing up and the slopes untrimmed. The other work done during the year has been mostly routine, the one man employed being fully occupied in keeping the place clean and in repair, tending trees and plants, etc. In addition to the heavy slips already on our hands, two vertical sinks or wells developed, reaching into the sand caves at the base of the hill. One took one hundred and twenty-five cart-loads of shells and earth to fill one, the other is now being gradually filled with cinders and ashes. My design, whenever these vertical wells appear, is to fill them with porous material, so that they may act as drains to the heavy clay above.

There have been set out in 1890 as follows:

6 Plane trees.	4 Black ash.
3 Hickory trees.	1 Bicolor oak.
1 Scarlet oak.	1 White birch.

Evergreens.

2 Pinus densiflora.	2 Arbor vitae gigantea.

2 English yew.

In regard to the future of Federal Hill, I think it very necessary that we should possess the two houses at the northeastern base of the hill. This would enable us to extend our slopes at such an angle as to greatly obviate slips; in addition to this, the houses are almost uninhabitable. It would also be very desirable to possess the row of small houses on Covington street, which would enable us so to ease the eastern slope at that point as to obviate slips; in short, the hill is so circumscribed on its eastern side by the houses at its base as to prevent the making a stable slope at those points in such treacherous material.

The Warren Avenue Square, which is attended to by our Federal Hill force, is really part and parcel of the same. It has been soiled and sowed and planted with shrubbery during the past season and fenced at each end to protect the shrubs, forty-five in number and in seven varieties.

There will be required for the use of Federal Hill Park during the year 1891 the sum of $5,000 to put it in proper shape and secure the slopes.

RIVERSIDE PARK.

The new work executed during 1890, in this park, consisted in the construction of the stable, tool house and stable yard on the eastern front. This work has been well and faithfully done, and is not only of great nse, but is a decided ornament to the park. The old tool house is now being moved to the new yard to be used as a wagon house, after which the old yard will be closed and planted. A great deal of repairing has been done during the year past, all the old buildings in the park, five in number, have been thoroughly painted, also the fountain. The two water-closets have been thoroughly repaired. The flag-pole has been cut off and replanted, and all signs renovated.

A brief summary of work done is below:

New brick gutter laid, lineal feet	636
Old brick gutter relaid, lineal feet	3,088
Terra cotta pipe laid, lineal feet	200
Sub-soil drain ditches made, lineal feet	534
New picket fence built, lineal feet	60
Old picket fence rebuilt, lineal feet	271
New inlets built	3
Old inlets rebuilt	17
Asphalt blocks laid in stable floor	765

Trees Planted during 1890.

23 Lombardy poplars.	3 Carolina poplars.
3 Scarlet oaks.	2 White oaks.
2 Red oaks.	1 Bi-color oak.
1 Elm.	1 Horse chestnut.
1 Plane tree.	1 White Birch.

38 in all.

Deciduous shrubs set out, 10.

There are no pressing improvements needed for the coming year, except the widening of the carriage gates, which are only eight feet six inches, and dangerous. This lovely park, which possesses the most artistic and beautiful fountain in the City, is fully worth a visit in the summer season. The Local Superintendent, Mr. Thomas Clark, who likewise cares for Federal Hill, deserves credit for his industry, skill and faithfulness in the discharge of his duties.

There will be needed for the proper care of Riverside Park during 1891, the sum of four thousand dollars; in addition to which, there is a balance due on the stable and tool house contract of seven hundred dollars, making a sum total of four thousand seven hunhred dollars.

Seven arrests were made during 1890

JOHNSTON SQUARE.

The work on this square has been principally routine. The new work has been the laying of about four hundred square yards of asphalt block pavement around the circle and as far into the straight walks as we had funds to carry it; it was economically laid by our own hands. Everything about the square has been kept in good condition and reflects credit on the local superintendent. It is a most attractive little park and much frequented by the people in that section.

Three arrests were made for disorderly conduct.

We will need for the regular maintenance of the square for 1891 the sum of $900, and if the block pavement is to be completed, the additional sum of $1,000, or $1,900 in all.

COLLINGTON SQUARE.

Work came to a conclusion on this square in August, the appropriation of $1,600 having been exhaused. This square is on high ground, commands an extensive view and will be very attractive when finished. All the work done has been on the upper portion, which is completely graded and partially planted with trees. My object is to develope the surface gradually down to the levels of the surrounding streets; of these Chester street is partially opened, whilst Preston and Patterson Park avenue are untouched. We will require $3,000 to carry on the work to any advantage during 1891.

MOUNT ROYAL TERRACES.

These terraces are in excellent order, and will only require some planting in the spring and proper maintenance. For these objects we will require during the coming year $850.

CARROLL PARK.

This very recent purchase of say twenty acres of land is in the hands of Mr. Charles L. Seybold, Local Superintendent, who has moved into the house and is looking after the place. The former lessees will remove the last of their property by January 10th, when we will begin to clean up and put the place in as good order as the labor of one man can accomplish it. As soon as an appropriation is made we will put up the boundary fence and take in the outlying land which belongs to us; at present a good deal is in open commons. The question of what to do with the large hall, ten-pin alley, etc., is an open one, as it is useless to us in its present shape. The stone wall of the rifle range is a good quarry for material which will be useful. There are two good wells on the place which will furnish water in abundance until the City grows a good deal in that direction and brings us a regular supply. I propose to map the premises as soon as possible and submit a plan for its development.

Respectfully submitted,

C. H. LATROBE,

General Superintendent and Engineer.

INVENTORY OF PROPERTY AT DRUID HILL PARK.

Building Property of Public Park Department.

Mansion House	Local Superintendent's house
Stone residence	Sheep fold
Barn	Propagating house
Palm house	Monkey house
Gardener's house	Mule shelter
Wagon shed	Fish house
Pump house	Office General Superintendent and Engineer
Filtering house	
Maryland building	

Work Animals.

14 Mules	5 Horses

In all, 19.

Southdown Flock.

1 English buck	7 Spring bucks
62 Old ewes	18 Spring ewes

In all, 88.

Show Animals.

3 Camels	1 Sea lion
1 Puma	1 Badger
2 Foxes	1 Raccoon
2 Wild cats	2 Bears
7 Prairie dogs	2 Ground hogs

1 Ant eater
3 Cockatoos, white
4 Rose cockatoos
6 Parrots
22 Mixed birds
1 Raven
2 Bald eagles
2 Common ducks
6 North American geese
7 Monkeys
3 Macawa
13 Parrots
6 Love birds or paroquets
1 Patagonian hen
1 Crane
1 Red head duck
3 Peafowls

Carts, Wagons, Tools, etc.

8 Watering wagons
12 Dirt carts
1 Dray
1 Express wagon
1 Buggy
1 Steam roller
1 Single roller
4 Plows
10 Axes
2 Mauls
15 Dung forks
10 Long-handled shovels, good
4 Short-handled shovels
9 Spades
27 Mattocks
6 Sledges
8 Iron rakes
1 Barrel of roof paint
1 Water cart
1 Night cart
1 Lumber wagon
1 Jagger
2 Double rollers
2 Hand rollers
1 Snow-plow
4 Harrows
4 Cross-cut saws
6 Wedges
6 Hay forks
15 Long-handled shovels, bad condition
33 Picks
43 Stone hammers
12 Wooden rakes
6 Watering cans

3 Leaden-lined watering cans
6 Corn brooms
6 Snow shovels, wooden
2 Border lines
1 Set of quarry tools
1 Set of blacksmith's tools
2 Lawn mowers
1 Horse
16 Wheelbarrows
4 Scythes
5 Horses
9 Sets double harness
10 Curry combs
3 Horse covers
1 Lot of granite
3 Snow-plows for skating pond
Lot of asphaltum and Belgian blocks
1 At skating pond
1 At monkey house
1 Lot of terra cotta pipe
3 Barrels Cumberland cement
12 Reed brooms
10 Snow shovels, iron
2 Reels for border lines
3 Large screens for sand
3 Small screens for sand
2 Champion mowers
2 Hand mowers
12 Weeding hoes
14 Mules
12 Sets cart harness
3 Sets light harness
10 Brushes
3 Blankets
1 Lot of 300 new and old bricks
3300 Benches outside
67 Benches in shelter
9 Stoves at gates
1 At Superintendent's office
1 Furnace at Engineer's office
6 Gallons T. & C. paint
10 Gallons linseed oil
350 Grind stones

Large lot of pebbles for paving, about 500 loads

Gardening Department.

1 Brass syringe
2 Fumigators
1 Step-ladder
2 Long ladders
1 Oil stove
1 Sponge
4 Scrubbing brushes
1 Lot copper wire
1 Whisk broom
1 Corn broom
2 Black brooms
2 Hand weeders
2 Balls twine
1 Hatchet
5 Pokers, furnace
2 Wrenches, furnace
1 Scraper, furnace
1 Axe
1 Rubber mat
3 Lengths 50-foot hose
Small lot pearline
5 New grates, palm house furnace
2 Galvanized buckets
Lot of hellebore and Paris green
2 Paint brushes
Small quantity linseed oil and turpentine
1 Garden line
4 Watering cans
1 Pair wire pliers
2 Putty knives
2 Trowels
2 Pair small hand shears
2 Long pruning hooks
2 Rat traps
2 Sickles
3 Iron rakes
2 Soil sieves
1 Ash sieve
2 Short-handled coal shovels
2 Long-handled coal shovels
5 Thermometers
1 Pruning saw
2 Hoes
2 Spades
1 Wheelbarrow
1 Pair hedge shears
1 Bundle tarred twine
1½ Boxes glass
3 Long-handled oval shovels
1 Scuffle hoe
2 Pairs edging shears
1 Edger

3 Lots old hose	1 Walk scraper
1 Mowing scythe	3 Bundles tacks
2 Rubber seed sprinklers	1 Bag tobacco stems
15 Straw mats	45 Seed boxes

(Signed) WM. H. CASSELL,
Local Superintendent Druid Hill Park.

Inventory of Buildings, Live Stock and Tools at Patterson Park, December 31st, 1890.

1 Residence (Local Superintendent's)
1 Stable, barn, carriage house and tool house, in one building
1 Ice house
1 Conservatory filled with tropical plants
1 Propagating house filled with bedding plants
1 Cart and wagon shelter
2 Storm pavilions for the visitors
1 Music pavilion
1 Pagoda pavilion
1 Carpenter shop
1 Ice cream saloon
1 Boat house
4 Water closets
2 Watch boxes for gate keepers

Live Stock.

3 Horses	3 Peafowls
2 Macaws	1 Cockatoo

Carts, Wagons, Rollers and Machines.

3 Carts
1 Jagger wagon
1 Single horse roller
3 30-inch horse lawn mowing machines
1 Two-horse hay mowing machine
1 16-inch hand mowing machine
1 18-inch hand mower
1 Light express wagon
1 Water wagon
1 Hand roller

Tools, &c.

1 Harrow
3 Plows (dirt)
1 Snow plow
3 English scythes
1 Cultivator
2 Axes
1 Square
1 Wood chisel
3 Stoves
2 Lanterns
2 Sand screens
2 Soil screens
1 Fumigator
1 Lamp lighter
1 Riding bridle
1 Riding saddle
680 Benches
8 Rattan brooms
4 Corn brooms
1 Spirit level
6 Picks
4 Mattocks
1 Extension ladder (28-inch)
1 Step ladder (8-inch)
5 Wooden hay rakes
4 Steel garden rakes
3 Garden trowels
3 Garden spades
2 Garden forks
3 Garden hoes
1 Garden line and reel (100 inches)
2 Fire rakers
2 Fire pokers
4 Valve keys
4 Large bird cages
4 Watering cans
1 Monkey wrench
1 Wagon wrench

1 Fifty-foot tape line
1 Desk
2 Manure forks, steel
4 Hay forks, steel
4 Snow shovels, steel
4 Snow scrapers, steel
1 Pruning saw
2 Cross-cut saws, 4 and 5 feet
2 Prs. grass edging shears
2 Bricklayer's hammers
2 Bricklayer's trowels
10 Long-handle shovels
2 Tree pruners
1 Pair hedge shears
2 Wire brushes
2 Whitewash brushes
7 Paint brushes
1 Varnish brush
1 Spool buckthorn wire
2 Spools barbed wire
1 Knee blanket (winter)
1 Horse oil cover
1 Large U. S. ensign
1 Set of single wagon harness
1 Set of single buggy harness
1 Carpenter's bench screw
1 Cart wrench
2 Grass sickles
1 Plumber's iron gas pump
1 Five-foot galvanized pump
150 Feet ¾-inch 3-ply hose
2 Bags ground bone
1 Barrel Cumberland cement
1000 No. 1 arch bricks
100 No. 1 asphaltum blocks
1 Swan boat
1 Night watchman's tin horn
2 Oil cans (5 gallons each)
1 Steel cold chisel
1 Wheelbarrow
2 Horse brushes
1 Sponge
2 Curry-combs
1 Horse blanket
1 Knee blanket (summer)
1 Buffalo robe
3 Sets of cart harness
1 Set of double wagon harness

1 Hatchet	10 Drain well grates (3 sizes)
1 Brace	1 Cat and rat rifle
4 Bits	
1 Jack plane	

(Signed) ARCH'D ANDERSON,
Local Superintendent Patterson Park.

Inventory of Property at Federal Hill Park, December 31st, 1890.

Buildings.

1 Observatory
1 Tool house
1 Outbuilding

Tools and Equipments.

105 Benches	3 Sickles
1 Horse lawn mower	1 Monkey wrench
1 Hand lawn mower	1 Screw driver
8 Wheelbarrows	1 Spirit level
12 Long-handle shovels	1 Square
15 Picks	1 Pitching tool
1 Spade	2 Chisels
1 Mattock	8 Points
2 Hay rakes	6 Drills
2 Hay forks	2 Gutter moulds
3 Scythes	1 Chair
4 Hoes	1 Desk
1 Edging knife	1 Stove
1 Step ladder	50 Asphalt blocks

1 Hand saw
2 Cross-cut saws
5 Lengths of hose and reel
1 Sodding line
1 Hatchet
2 Axes
1 Grindstone
1 Paving rammer
4 Crowbars
1 Tree pruning shears
1 Hand pruning shears
480 Feet 1x12-16 Va. pine
6 Pieces 10x10-12 N. C. pine
16 Pieces 12x12-16 N. C. pine
6 Pieces 10x10-20 Ga. pine
2 Block chisels
2 Sledge hammers
2 Block hammers

Tackle belonging to Pile Driver.

4 12-inch single blocks
2 10-inch double blocks
2 8-inch double blocks
1 10-inch leading block
2 Small rigging tackle
300 Feet 4½-inch rope
180 Feet 5-inch rope
1 Tag line and tripper
2 Pieces 12x12-30 Ga.
2 Cant hooks
2 Pile buggies
1 Cross-cut saw
3 Pinch bars
1 Chain sling
2 Mauls
2 Rollers
1 Set of crab irons
1 Piece 12x12-29 Ga.

(Signed) THOMAS CLARK,

Local Superintendent.

Inventory of Property at Riverside Park, December 31st, 1890.

Buildings.

2 Pavilions	1 Tool house
1 Stable	1 Wagon shed
1 Office	2 Water closets

Tools and Equipments.

480 Benches	87 No. 2 asphalt blocks
1 Dirt cart	2 Pruning shears
1 Watering cart	2 Hand-pruning shears
1 Horse roller	3 Saws
1 Harrow	2 Chisels
1 Wagon	1 Brace
2 Single-horse lawn mowers	3 Bits
	1 Hammer
1 Hand lawn mower	1 Spirit level
4 Wheelbarrows	2 Monkey wrenches
18 Short-handle shovels	1 Auger
4 Long-handle shovels	1 Bevel
6 Picks	2 Planes
3 Spades	1 Grinding stone
2 Digging forks	1 Step ladder
2 Hay forks	4 Lengths of hose and reel
2 Gravel rakes	
1 Mattock	2 Planting trowels
1 Scythe	1 Brass syringe
2 Sickles	3 Brooms

1 Edging knife	1 Desk
1 Hatchet	2 Chairs
2 Sets single harness	2 Stoves
2 Buckets	1 Oil cover
2 Small inlet grates	3 Large inlet grates
18 Pieces 18-inch terra cotta pipe	41 Pieces 8 inch terra cotta pipe
2 Pieces from 15 to 18-inch terra cotta pipe	5 Pieces 15 inch terra cotta pipe
2 Barrels Portland cement	150 Paving bricks
	75 Feet of old boards

(Signed) THOMAS CLARK,

Local Superintendent.

Inventory of Johnson Square, December 31st, 1890.

Building.

1 Tool house and furniture

Tools and Equipments.

1 Wheelbarrow	1 Saw set
2 Hand lawn mowers	1 Six-inch square
2 Short-handle shovels	1 Iron hand roller
1 Crowbar	2 Long-handle shovels
4 Picks	2 Spades
2 Sod knives	2 Iron rakes
1 Monkey wrench	1 Mattock

1 Cold chisel
1 Step ladder
1 Large oil can
1 Small oil can
1 Wooden rake
1 Spirit level
7 Sections gum hose and reel
1 Mason trowel
1 Scythe and snath
1 Tree pruner
1 Pair of hedge shears
1 Pair of pruning shears
1 Brass syringe
1 Pruning saw
1 Sickle
1 Cask for tobacco water
1 Hatchet
1 Brace and bit
1 Tin horn
½ Gallon of machine oil
1 Iron wrench
2 Stamps for marking tools
1 Signal lamp
1 Hand screen
1 Garden hoe
1 Bricklayer's hammer
1 Axe
1 Mason square
1 Edging knife
2 Weeders
1 Saw
1 Jack plane
1 Paint brush
1200 Feet 1x12 pine boards
2 Iron grates for inlets
66 Benches
1 Wire fence for flower bed
1 Pair of pliers
1 Stove and pipe
1 Key for street washer
2 Corn brooms

(Signed) FRANK McLAIN,
Local Superintendent.

Inventory of Tools belonging to Collington Square, at Patterson Park, December 31st, 1890.

1 Spirit level
1 Tape line
1 Crow-bar
1 Sod padder

1 Hatchet	5 Rammers
1 Water bucket and cup	5 Wheelbarrows
1 Hand saw	1 Reel and hose
1 Axe	1 Phila. hand lawn mower (16 inch)
8 Picks	1 Iron drill, 16 feet long
1 Straight edge	1 Tool house
11 No. 2 D. H. Ames shovels	

(Signed) ARCH'D ANDERSON,

Local Superintendent.

Inventory Patterson Park Extension, December 31st, 1890.

Buildings.

1 Tool house and enclosure	1 Water station
	2 Shelters

Tools and Equipments.

81 Short handle shovels	½ Bag cotton waste packing
6 Long handle shovels	2 Wrenches
48 Picks and handles	1 Monkey wrench
32 Pick handles	3 Chains 3 feet long
4 Striking hammers	5 Brass car boxes
4 Pinch bars	5 Boxes Judson powder
2 Sledges	1 Box dynamite
2 Claw bars	

2 Iron drills, steeled, 16 feet
2 Iron drills, steeled, 12 feet
2 Iron drills, steeled, 6 feet
3 Steel drills, jumpers
2 Grub hoes
14 Mattocks
6 Shell forks
28 Rammers
9 Wood pries
2 Sod cutters
3 Spades
2 Sod padders
21 Mauls
20 Wedges
½ Keg six-penny nails
¼ Keg ten-penny nails
1 Hand axe
1 1¼-inch auger
2 Axes
5 Hatchets
7 Water buckets
6 Cups
4 "T" sighting sticks
1 Straight edge
1 Spirit level
1 Garden rake
1 Garden reel and line
1 Two-horse roller
150 Feet cotton fuse
1 Pair nippers
½ Box caps
1 Brass marine pump
600 Arch brick, No. 1
1 Barrel Cumberland cement
5 No. 1 inlet grates
12 No. 2 inlet grates
32 Lengths T. C. pipe (different sizes)
35 Lengths 18-inch T. C. pipe
1 Large rope
1 Brass stencil, with brush and paint
1 Briar hook and snath
1 Rubber
1 Lantern
3 One-gallon oil cans
40 Wheelbarrows
1 Sack coarse salt
1 Bucket paint
1 Barrel lubricating oil
1 Corn broom
1 Hand hose reel
200 Feet 1½-inch hose
18 Feet ¾-inch hose
2 Steel stamps
16 Pieces 8 in. x 8 in. 25 feet Georgia pine

1	Bricklayer's hammer	60	Chestnut fence posts
3	Trowels	2	Spools buckthorn wire
23	Dump-cars	1	Saw
1	Jim-crow	1	Metallic tape line
½	Keg railroad spikes	1	Paint brush
1	Mile steel rails	3	Empty oil barrels
4	Steel frogs	6	Pair gum boots.
1679	Cross-ties	1	Hose carriage
3	Track gauges	15	Feet 1½-inch suction hose
2	Pair rail tongs		

(Signed) JEREMIAH FOX,

Foreman in Charge.

LIST OF EMPLOYES—NAMES AND COMPENSATION.

Charles H. Latrobe, General Superintendent and Engineer	$2,500 00	per annum.
D. Rayhice, Treasurer	1,200 00	"
J. W. Bollman, assistant to Gen. Superintendent and Engineer	900 00	"

Druid Hill Park.

Wm. H. Cassell, Local Superintendent	$1,500 00	per annum.
Wm. D. Hamilton, Gardener	12 00	per week.
James Hinton, Gatekeeper, Madison avenue (day)	1 25	per day.
Wm. Williams, Gatekeeper, Madison avenue (night)	1 25	"

Michael Byrne, Gatekeeper, Druid Hill avenue	1 25	per day.
Daniel Simonds, Gatekeeper, Mt. Royal avenue (day)	1 25	"
Jno. Murphy, Gatekeeper, Mt. Royal (night)	1 25	"
Jno. B. Carroll, Gatekeeper, Upper Mt. Royal ave. (to 10 P. M.)	1 42$\frac{6}{7}$	"
B. Donnelly, Gatekeeper, Reisterstown road	1 25	"
Geo. McCullough, Gatekeeper, Northwestern	1 25	"
Frank Beehler, Gatekeeper, Green Spring avenue (day)	1 25	"
A. Fisher, Gatekeeper, Green Spring avenue (night)	1 25	"
James McCourt, Gatekeeper, Eutaw Place, evening	71$\frac{3}{7}$	"
E. Blizzard, at Sea Lion pond	1 25	"
Frank Walter, Night Watchman.	1 66$\frac{2}{3}$	"
Chas. Morgan, in charge of animals	1 57$\frac{1}{7}$	"
George Fossil, Shepherd	1 42	"
Kasper Kentner, Assistant	1 28$\frac{4}{7}$	"
John M. Walker, Watchman, Cedar Avenue bridge	1 25	"
Henry Smith, Watchman, Cedar Avenue bridge	1 25	"
M. Almony, Carpenter	1 75	"
George O'Bryan, Stableman	1 66$\frac{2}{3}$	"

Louis Salano, in charge of camels	1 25	per day.
Drivers and Laborers	1 66⅔	"

Patterson Park.

Archibald Anderson, Local Superintendent	$1,000 00	per annum.
Hugh Gifford, Gatekeeper, Lombard street	1 25	per day.
Charles E. Hulse, Gatekeeper, Eastern avenue	1 28⅘	"
James Fairley, Night Watchman	1 57⅐	"
Drivers and Laborers	1 66⅔	"

Riverside and Federal Hill Parks.

Thos. Clark, Local Superintendent	$ 15 00	per week.
Laborers	1 66⅔	per day.
Watchman	1 42⅚	"

Johnson Square.

Frank McLain, Superintendent	$ 12 00	per week.
Laborers	1 66⅔	per day.

Mount Royal Terraces.

Alexander Slaysman, Local Superintendent	$ 12 00	per week.
Laborers	1 66⅔	per day.

REPORT OF THE TREASURER.

Receipts and Expenditures of Druid Hill Park, year ending December 31st, 1890.

	Dr.	Cr.
To interest	$26,400 40	
" pay rolls	38,872 27	
" food for show animals	1,106 53	
" office expenses	374 21	
" repairing park and lawn machinery	270 95	
" new park and lawn machinery	33 60	
" horse-shoeing	366 00	
" food for work animals	1,448 07	
" repairs, wagons, carts, &c.	218 70	
" harness and repairs	179 90	
" tools and hardware	343 99	
" gas lighting	117 75	
" lumber, bricks, cement and stone	6,331 06	
" fuel	645 75	
" bricklaying, &c	3,684 64	
" masonry	1,877 08	
Amount carried forward	$82,270 90	

	Dr.	Cr.
Amount brought forward...	$82,270 90	
To interest allowed City Passenger Railway Company.....	214 40	
" roofing and spouting....	409 62	
" sand, gravel, &c.....	2,177 32	
" trees, shrubs and plants.	602 06	
" paints and painting.....	1,484 73	
" plumbing and iron work.	1,927 66	
" electric lighting	2,690 48	
" drain pipe	131 01	
" fertilizers	66 20	
" gate-house Cedar Avenue bridge	198 00	
" shelter pavilions.....	5,000 00	
" miscellaneous expenses..	3,643 86	
By City Passenger Railway Company, four-fifths of receipts		$48,861 76
" Baltimore Traction Company, four-fifths of receipts.....		20,891 62
" North Baltimore Railway Company, four-fifths of receipts.....		15,121 82
" Union Passenger Railway Company, four-fifths of receipts.....		35,735 94
Amount carried forward....	$100,816 24	$120,611 14

	Dr.	Cr.
Amount brought forward...	$100,816 24	$120,611 14
By Central Railway Comp'y, four-fifth of receipts..		5,766 43
" York Road Railway Company, four-fifths of receipts		1,325 69
" Highlandtown and Point Breeze Railway Company, four-fifths of receipts		3,649 51
" boat privilege.....		300 00
" fines.....		320 00
" rent of mansion house...		2,413 05
" sale of wool		138 72
" sale of old iron.....		5 62
" privilege of swings.....		55 00
" privilege of ponies, goats, &c		75 00
" sale of benches		175 00
" rent of stone dwelling...		500 00
" sale of wood.....		111 00
" sale of sheep		1,034 75
" use of steam roller.....		64 28
" sale of camels.....		400 00
" sale of horses.....		42 00
	$100,816 24	$136,987 19

Receipts and Expenditures of Patterson Park, year ending December 31st, 1890.

	Dr.	Cr.
To interest	$ 6,600 07	
" pay rolls	10,892 96	
" food for show animals	43 50	
" tools and hardware	106 28	
" repairs to park and lawn machinery	53 71	
" fuel	339 90	
" food for work animals	174 38	
" horse-shoeing	38 85	
" lumber, bricks, cement and stone	2,219 54	
" trees, shrubs and plants	242 60	
" fertilizers	51 75	
" plumbing and iron work	405 61	
" drain pipe	22 48	
" paints and painting	1,134 32	
" electric lighting	756 45	
" repairs to wagons, carts, etc	118 62	
" office expenses	38 74	
" gas lighting	38 86	
" interest to City Passenger Railway Company	53 60	
" new park and lawn machinery	75 95	
Amount carried forward	$23,408 17	

	Dr.	Cr.
Amount brought forward...	$23,408 17	
To new wagons, carts, etc...	61 35	
" masonry.....	377 79	
" shelter pavilions.....	2,000 00	
" miscellaneous expenses..	641 80	
By City Passenger Railway Company, one-fifth of receipts.....		$12,215 43
" Baltimore Traction Company, one-fifth of receipts.....		5,222 90
" North Baltimore Railway Company, one-fifth of receipts.....		3,780 46
" Union Passenger Railway Company, one-fifth of receipts.....		8,933 99
" Central Railway Company, one fifth of receipts.....		1,441 61
" York Road Railway Company, one-fifth of receipts.....		331 41
" Highlandtown and Point Breeze Railway Company, one-fifth of receipts.....		912 38
" fines.....		65 00
" privilege of swings.....		40 00
" rent of saloon and privilege of boats.....		200 00
	$26,489 11	$33,143 18

Balance Sheet Druid Hill and Patterson Parks, year ending December 31st, 1890.

		Dr.	Cr.
To interest		$33,000 47	
" pay-rolls and improvements		94,304 88	
By balance due Park Board, December 31st, 1889			$10,439 63
By receipts from Baltimore City Passenger Railway Company	$65,558 45		
Less sinking fund	4,481 26		
			61,077 19
By receipts from Baltimore Traction Company	30,546 11		
Less sinking fund	4,431 59		
			26,114 52
By receipts from North Baltimore Railway Company	22,337 68		
Less sinking fund	3,435 40		
			18,902 28
By receipts from Union Passenger Railway Company	54,761 81		
Less sinking fund	10,091 88		
			44,669 93
Amount carried forward		$127,305 35	$161,203 55

		Dr.	Cr.
Amount brought forward...		$127,305 35	$161,203 55
By receipts from Central Railway Company.	8,478 34		
Less sinking fund	1,270 30		7,208 04
By receipts from York Road Railway Com'y	1,883 47		
Less sinking fund	226 37		1,657 10
By receipts from Highlandtown & Point Breeze Railway Com'y	5,568 84		
Less sinking fund	1,006 95		4,561 89
By rent of mansion house, stone dwelling, refreshment saloon, fines, sale of sheep, wood, deer, privilege of swings and boats, &c..			5,939 42
To balance.....		53,264 65	
		$180,570 00	$180,570 00

Expenditures of Patterson Park Extension, year ending December 31st, 1890.

	Dr.	Cr.
By balance due Park Board, January 1st, 1890		$185,747 54
" sale of old brass		5 78
To improvements	$ 54,593 11	
" balance	131,160 21	
	$185,753 32	$185,753 32

Expenditures of Riverside Park, year ending December 31st, 1890.

	Dr.	Cr.
By appropriation		$4,077 00
To improvements and maintenance	$4,076 11	
" balance	89	
	$4,077 00	$4,077 00

Expenditures of Federal Hill Park, year ending December 31st, 1890.

	Dr.	Cr.
By appropriation		$1,800 00
" rent of Marine Observatory		200 00
To improvements and maintenance	$1,995 80	
" balance	4 20	
	$2,000 00	$2,000 00

Expenditures of Warren Avenue Plat, year ending December 31st, 1890.

	Dr.	Cr.
By appropriation		$150 00
To improvements	$142 64	
To balance	7 36	
	$150 00	$150 00

Expenditures of Collington Square, year ending December 31st, 1890.

	Dr.	Cr.
By appropriation		$1,600 00
To improvements	$1,598 12	
To balance	1 88	
	$1,600 00	$1,600 00

Expenditures of Johnston Square, year ending December 31st, 1890.

	Dr.	Cr.
By appropriations		$1,576 94
By fines		15 00
To improvements and maintenance	$1,492 61	
To balance	99 33	
	$1,591 94	$1,591 94

Expenditures of Mount Royal Terraces, year ending December 31st, 1890.

	Dr.	Cr.
By appropriation		$500 00
To improvements	$496 09	
To balance	3 91	
	$500 00	$500 00

COMPARATIVE STATEMENT.

RECEIPTS.	1888.	1889.	1890.
Receipts from Baltimore City Passenger Railway Company, less Sinking Fund	$65,979 04	$67,124 46	$61,077 19
Receipts from Citizens' Railway Company, less Sinking Fund	14,189 17	15,586 37	.....
Receipts from North Baltimore Railway Company, less Sinking Fund	16,444 43	18,315 40	18,902 28
Receipts from York Road Railway Company, less Sinking Fund	1,196 51	1,221 51	1,657 10
Receipts from Union Railway Company, less Sinking Fund	6,770 84	9,161 49	44,669 93
Receipts from Central Railway Company, less Sinking Fund	5,956 75	6,276 13	7,208 04
Receipts from People's Railway Company, less Sinking Fund	6,520 86	7,984 06	.....
Receipts from Highlandtown & Point Breeze Railway Company, less Sinking Fund	917 41	292 87	4,561 89
Receipts from Baltimore Traction Company, less Sinking Fund	.....	.....	26,114 52
	$117,976 01	$125,926 29	$164,190 95

Deduct interest on Park Stock	41,333 96	41,333 96	33,000 47
Remaining for Park purposes	$76,642 05	$84,592 33	$131,190 48
Of which one-fifth goes to Patterson Park	15,328 41	16,918 46	26,238 09
And balance to Druid Hill Park	$61,313 64	$67,673 87	$104,952 39
Add Resources Peculiar to Druid Hill Park:			
Rent of Mansion House and Stone Dwelling	1,600 00	2,192 70	2,913 05
Sale of Sheep, Deer, Wood, Privilege of Swings, &c.	1,091 13	984 92	2,101 37
Fines	145 00	170 00	320 00
Boat Privilege	300 00	300 00	300 00
	$64,449 77	$71,321 49	$110,586 81
Add Resources Peculiar to Patterson Park:			
Rent of Saloon and Boat Privilege, Fines, Privilege of Swings, &c.	440 00	593 00	305 00
Patterson Park, one fifth of General Revenue	15,328 41	16,918 46	26,238 09
Total applicable to both Parks	$80,218 18	$88,832 95	$137,129 90

EXPENDITURES.

	1888.	1889.	1890.
Expenditures for Labor and Materials to 31st of December, Druid Hill Park	$63,533 15	$66,454 43	$74,415 84
Expenditures for Labor and Materials to 31st of December, Patterson Park	13,899 15	14,757 73	19,889 04
Total	$77,432 30	$81,212 16	$94,304 88

ANNUAL REPORT

— OF THE —

COMMISSIONERS

— FOR —

OPENING STREETS

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31, 1890.

REPORT.

OFFICE OF THE COMMISSIONERS FOR OPENING STREETS—
CITY HALL.

BALTIMORE, January 1st, 1891.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN :

We have the honor to submit to you a statement of the operations of this Department, from January 1st, 1890, to December 31st, 1890, inclusive.

The following list comprises the streets, alleys, &c., condemned, opened and closed during the above stated time ; also the amount of damages, expenses and benefits, and also the amount assessed to the Mayor and City Council for each and every street, &c., as follows :

Name of Street, &c.	Damages.	Expenses.	Benefits.	Amount on City.
Register street, from Oliver street to North avenue	$ 16,845 25	$ 542 56	$ 6,685 25	$ 10,702 56
Ann street, from Oliver street to North avenue	14,997 76	520 88	7,209 50	8,309 14
Patapsco street, from Ostend street to West street	9,222 94	406 24	2,544 74	7,084 44
Brevard street, from Biddle street to Preston street	11,758 33	444 87	3,994 85	8,208 35
Fifth lane, from Jackson street to the water line	.....	194 10	194 10	.....
McCulloh street, from Biddle street to Eutaw street	131,034 32	3,965 03	73,546 05	61,453 30
East Baltimore street, from Jones' falls to Exeter street	224,000 59	2,842 66	62,963 26	163,879 99
Lovegrove alley, from Adams alley to First street	8,000 00	718 20	1,646 00	7,072 20
Riggs avenue, from Stricker street to Fremont street	41,772 90	602 81	8,572 62	33,803 09

Beason street, from Andre street to Steuart street	8,894 77	448 78	1,249 50	8,094 05
Castle alley, from Monument street to Eager street	34,395 81	1,023 59	12,103 75	23,315 65
STREETS CLOSED.				
Fourth street, from Fort avenue to the property formerly owned by Alex. Gould, Sr	838 25	231 02	1,069 27	
Carey street, south, at the south side of North avenue		188 89	188 89	
	$501,760 92	$12,129 63	$181,967 78	$331,922 77

Streets, Alleys, &c., in Process of Opening.

Patuxent street, from Monument street to Eastern avenue.

Clarkson alley, from Barney street to a forty (40) foot street.

Race street, from Barney street to Moale street.

An alley, twelve feet wide, in the centre of Kirby's or Dorsey's lane, from Lanvale street to the Harlem Stage Company's property.

Morton alley, from John street to Hoffman street.

An alley ten (10) feet wide, from the north side of McElderry street to an alley ten (10) feet wide, now open, between Eden street and Spring street.

An alley ten (10) feet wide, from the north side of Orleans street to the south side of Jefferson street, between Central avenue and Eden street

An alley nine (9) feet nine (9) inches wide, from the north side of Monument street to an alley ten (10) feet wide, now open, between Eden and Spring streets.

An alley ten (10) feet wide, from the south side of Monument street to an alley ten (10) feet wide, now open, between Caroline street and Spring street.

An alley ten (10) feet wide, from the north side of Madison street to the south side of Chew street, between Caroline street and Dallas street.

Henry street, from Clement street to Fifth lane.

Baltimore street, from the present terminus of Baltimore street to the western City limits.

Beason street, from Decatur street to the property of H. A. Ramsay & Co.

Kirby's or Dorsey's lane, from Franklin street to Edmondson avenue.

South Paca street, from Stockholm street to West street.

Patapsco street, from Baltimore street to Monument street.

Port alley, from Aliceanna street to Lancaster street.

Bouldin alley, from Bloom street to Baker street.

Penn street, from Haw street to the intersection of Fremont street and Columbia avenue.

Elizabeth lane, from Randall street to Heath street.

Orleans and Low streets, from Forrest to Exeter street.

Chew street, from Wolfe street to Chester street.

Eastern avenue, from Luzerne street to the eastern City limits.

Dallas street, from Oliver street to Hoffman street.

Henry street, from Randall street to Fort avenue.

Rope Walk lane, from Randall street to Heath street.

Hollins street, from the old line of the western City limits to Catherine street.

Patterson avenue, from Fulton avenue to Monroe street.

Florence street, from Fulton avenue to Retreat street.

Townsend street, from Harford avenue to Caroline street.

Francis street, from Retreat street to Whitelock street.

Morris alley, from North avenue to Druid Hill Park.

Randall street, from Covington street to Webster street.

Bouldin alley, from Laurens street to Wilson street.

Federal street, from Aisquith street to Eden street.

Clement street, from Hanover street to Race street.

Choptank street, from Monument street to Biddle street.

Brice street, from Lanvale street to Lafayette avenue.

Mount street, from Lexington street to Edmondson avenue.

Stoddard alley, from Mosher street to McMechin street.

An alley, ten (10) feet wide, from McKim street to Hillman street.

Towson street, from Fort avenue to Marriott street.

Whitelock street, from Linden avenue to North avenue.

Federal street, from Patterson Park avenue to Cannon street.

Nicholson street, from Decatur street to Cooksie street.

Burke street, from Oliver street to Belair avenue.

Pinkney alley, from Cross street to Stockholm street.

Clement street, from Lawrence street to Hull street.

Allen street, from Fort avenue to Claggett street.

Hollins street, from the Calverton road to the western line of the old City limits.

Cleveland street, from Bayard street to Stockholm street.

Ward street, from Bayard street to Stockholm street.

Eutaw street, at its intersection with Biddle street.

Chase street, from Washington street to Patterson Park avenue.

Madison street, from Washington street to Patterson Park avenue.

Union dock, from Concord street to the north line of the Baltimore Steam Packet Company's property.

Durham street, from Oliver street to North avenue.

Stockholm street, from Washington avenue to Wicomico street.

Allen street, from Fort avenue to Clement street.

Fayette street, from Calvert street to Liberty street.

Porter street, from Claggett street to Beason street.

STREETS, ALLEYS AND LANES IN PROCESS OF CLOSING.

Kirby's or Dorsey's lane, from Lanvale street to the Harlem Stage Company's property.

Point lane, from Ensor street to North avenue.

An alley, from Madison street to an alley, ten (10) feet wide, now open, between Eden street and Spring street.

V alley, between Barre street and Welcome alley.

Kirby's or Dorsey's lane, excepting twelve (12) feet in the centre thereof, from Lanvale street to the Harlem Stage Company's property.

Butchers' lane, from Calhoun street to North avenue.

Fourth lane, from Hanover street to Light street.

Brown's lane, from Eden street to Caroline street.

Kirby's or Dorsey's lane, excepting twelve (12) feet in the centre thereof, from the south side of the Harlem Stage Company's property to the south side of Winchester street.

Morris alley, from Presstman street to Bloom street.

ORDINANCES REPEALED, &c.

Ordinance No. 24, approved April 13th, 1888, entitled "An ordinance to condemn, open and widen Cem-

etery lane, from Stricker street to Fremont street,'' became void by passage of Ordinance No. 89, approved May 19th, 1890.

Ordinance No. 82, approved May 29th, 1889, entitled ''An ordinance to condemn and open McCulloh street,'' proceedings quashed by the City Court.

Ordinance No. 163, approved October 28th, 1889, entitled ''An ordinance to condemn and widen Fayette street,'' declared void on account of irregularites.

Respectfully submitted,

SAMUEL F. SHARRETTS,

BAYLY K. KIRKLAND,

LOUIS BECK,

Commissioners for Opening Streets.

ROBERT F. GREEN, *Clerk.*

ANNUAL REPORT

— OF THE —

CITY SOLICITOR,

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31, 1890.

REPORT.

LAW DEPARTMENT—CITY HALL.

BALTIMORE, January 12th, 1891.

To the Honorable the Mayor and the First and Second Branches of the City Council:

GENTLEMEN:

In pursuance of the duty imposed upon the City Solicitor by Section 3 of Article XIII of the City Code, the following report of the Law Department for the year ending December 31st, 1890, is respectfully submitted:

COURT OF APPEALS.

The most important case decided during the year was that of

Ulman

vs.

The Mayor and City Council,

in which the Court of Appeals reversed their former well-settled decisions, and held that the assessments upon the property-holders for the paving of North avenue were illegal, and could not be collected by the

City, upon the ground that the Act of 1874, and the ordinances passed in pursuance thereof, by which street paving was done without formal notice to the holders of property binding thereon, were in violation of the Fourteenth Amendment to the Constitution of the United States, and therefore void. Should this decision remain the settled law, an entire change in the methods of collecting from property-holders the cost of paving streets will be necessary. A motion for a re-argument, however, has been filed, with elaborate briefs in support thereof, by the City Counselor, and it is confidently hoped that the case will be re-opened, and the law finally established as it has been for so many years.

John Harris

vs.

The Mayor and City Council.

Although this case was decided by the Court of Appeals in favor of the City, in June, 1889, a motion for a re-argument was filed by the plaintiff, and was granted by the Court of Appeals at the January term, 1890. The case was then re-argued upon notes, the judgment below was finally reversed and the cause remanded to the Superior Court, where it is still pending for another trial. As the City holds a bond of indemnity from the Farmers' and Planters' Bank for the money involved in this controversy, the financial interests of the City seem to be entirely protected. It is of interest, however, to state that, in its final opin-

ion, the Court of Appeals determines that the business of paving streets by contract in the City of Baltimore, by a firm, is so far a non-trading or non-commercial partnership as that one partner has not the right, *prima facie*, to borrow money and bind the firm.

State

vs.

Andrew J. Rowe.

As the question presented in this case was the validity of Ordinance No. 17 of 1889, requiring a license fee of $100 for the sale of fresh and frozen fish and crabs in certain markets of the City, the City Counselor assisted the Attorney-General in the trial of the case. The Court, however, following the principle laid down in the case of Vansant vs. Harlem Stage Company, 59 Md., 334, held that such a license fee was entirely beyond any reasonable sum which the City had a right to impose under its police power, and declared the same to be void.

The Mayor and City Council

vs.

H. Irvine Keyser, et al.

In this case the Court of Appeals affirmed the decree of the Circuit Court, and held that the action of the Mayor, Comptroller and Superintendent of Lamps, in reference to a contract with the Brush Electric Com-

pany, were not in accordance with the provisions of the ordinance passed May 29th, 1889, and that their proceedings were illegal and defective. Since this decision a new ordinance has been passed and a new contract made, so that the question decided is no longer of practical importance.

William L. Marbury, Trustee,

vs.

The Mayor and City Council.

In this case the Court of Appeals, reversing the decree of the Circuit Court, held that the word "executor," used in the transfer of City stock, is sufficient to charge the City with notice of a will and its contents. The final decree required the City to reimburse to the plaintiff, as trustee, the value of $2,500 City stock, which the Court held was wrongfully transferred on the books of the City to Frank Ehlen, said stock being the property of the trust estate. The loss to the City, however, is practically but $500, as four-fifths of the equitable interests in the fund were properly transferred, and upon the death of the life tenant this four-fifths will be returned to the City treasury.

John T. Degner, et al.,

vs.

The Mayor and City Council.

This is an appeal, by certain attaching creditors of one Solomon Brown, from an order of the Superior

Court, directing certain taxes to be paid pro rata from the funds in that case and in another case in the Baltimore City Court. It involves the question of the payment of taxes by the Sheriff out of the first funds coming into his hands. It will stand for argument at the January term, 1891.

Frederick Rice

vs.

The Mayor and City Council.

This was an appeal from the amount of damages alleged Mr. Rice by the Street Commissioners in the opening of Clare street. Judge Phelps, in the Baltimore City Court, instructed the jury that, in considering Mr. Rice's damages for the destruction of his brick yard, they might take into consideration the possibility of a renewal of his lease, although there was no agreement for such renewal. As this presented an important question applicable to many other cases, it was deemed advisable to have the question passed upon by the Court of Appeals. It has been argued there, but is not yet decided.

Charles F. Pitts, Jr.,

vs.

The Mayor and City Council.

This is an appeal by Mr. Pitts, from the rulings of the Baltimore City Court, on his appeal from the ac-

tion of the Street Commissioners, in the matter of opening Ann and Regester streets. The question depends principally upon the construction and effect of a certain lease, and is not therefore of general interest, except that the amount involved is probably from five to ten thousand dollars. This case has also been argued, but not yet decided.

Joseph Friedenwald

vs.

The Mayor and City Council.

This case involves the question of benefits assessed upon certain property holders for the widening of East Baltimore street, and a large number of other cases, involving the same question, are dependent upon its results. The decision in the Baltimore City Court was in favor of the City and Mr. Friedenwald has appealed. The case will be heard at the January term, 1891, of the Court of Appeals.

Jacob Schamberger

vs.

The Mayor and City Council.

This is an appeal by Mr. Schamberger, from the rulings of the Baltimore City Court, in the matter of damages and benefits in the opening of Brevard street, which rulings were favorable to the City. This case will also be heard at the January term of the Court of Appeals.

CIRCUIT COURT OF THE UNITED STATES.

Filbert

vs.

The Mayor and City Council.

This is an action for alleged infringement of what is known as the Schillinger patent for pavements. Before bringing this suit Mr. Filbert brought an action against one Garrell (who had laid a number of pavements for the City) for infringement in some of his private work, and established the patent and the infringement as to that work. He then brought suit against the City for damages, &c., in respect to pavements alleged to be similar.

Beard

vs.

The Mayor and City Council.

This is an action for alleged infringement, by the City, in the use of a certain sewer trap.

Stewart

vs.

The Mayor and City Council.

This is an action for alleged infringement of patent in laying granolithic pavements in Fell's Point Market.

These cases are all still pending.

SUPERIOR COURT.

State, Use of Ferrandini,

vs.

The Mayor and City Council.

This was an action for damages for the death of the plaintiff's son by reason, as was alleged, of the defective construction of the entrance to a sewer at Lexington and Howard streets, and the verdict, it will be remembered, was for $10,000. Upon a motion for a new trial, argued by the present City Counselor, the verdict was reduced by the Court to $2,500, and in consideration of no appeal being prosecuted by the City, the case was then settled for $2,300.

Lilly

vs.

The Mayor and City Council.

This was an action for damages for an accident happening in the City Hall, by which the plaintiff's leg was broken. He claimed that he fell over a mat improperly placed at a dangerous staircase. The verdict and judgment were in favor of the City.

Schloss & Co.

vs.

The Mayor and City Council,
Garnishee of Tannebaum.

This was an attachment laid in the hands of the City to reach certain City stock, alleged to be held by

Mrs. Tannebaum. Various interesting legal questions would have been involved, but some arrangement was made between the parties, and the suit was dismissed.

There are sixteen suits now pending in this Court, mostly actions for damages of various kinds.

COURT OF COMMON PLEAS.

Ernest Pettig and Wife

vs.

The Mayor and City Council.

This was an action of damages for alleged injury to the premises of the plaintiffs, by reason of the escape of water from No. 3 Engine House. It was treated before a jury, and the verdict and judgment were in favor of the City.

There are now pending in this Court thirty-four cases, most of them old actions for damages which have not been prosecuted and are sleeping upon the stet dockets. Several of them, however, have been brought recently, and will stand for trial at the coming January term.

BALTIMORE CITY COURT.

George G. Tyler

vs.

The Mayor and City Council.

This was an action of damages for injury to the plaintiff's property by water in consequence of a

change in the grade of a street. The damage appeared to be serious, and there being no question of the legal liability in such case, after consultation with the Mayor, the late City Solicitor, who had investigated the same during his term, and the City Commissioner, it was deemed advisable to allow a judgment to be entered for $1,000, which has been paid.

The Mayor and City Council

vs.

The Chesapeake and Potomac Telephone Company of Baltimore.

This action was brought to recover the sum of $5,380 and interest, for four years' taxes due by the said company. This case would stand for trial at the ensuing January term, but the counsel for the company has signified his intention of paying the full amount claimed, with interest and costs, before the beginning of that term.

Mary A. Bottomer and Mary Stewart

vs.

The Mayor and City Council.

These were two actions for damages, for $10,000 each, for personal injuries alleged to have been sustained by the plaintiffs from the overturning of a carriage by reason of a pile of dirt negligently left in the street. They were dismissed, however, upon payment of costs.

Catharine Hyder

vs.

The Mayor and City Council and the Yorktown Turnpike Company.

This is an action for damages alleged to have been sustained by the plaintiff in falling into a gulley at the side of the turnpike road, near Third street, and involves the question of the liability of the City for the dangerous condition of the turnpike roads used as public highways within the City limits.

William G. Scarlett and Wife

vs.

The Mayor and City Council.

This is an action for damages alleged to have been sustained by the property of the plaintiffs from an overflow of water from the Druid Hill avenue sewer. It presents many interesting and important questions, and will stand for trial at the January term, 1891.

There are seventeen cases remaining on the trial docket in this Court, mostly small actions for damages, and three cases upon the appeal docket.

STREET CASES.

During the year seventy-one appeals from the action of the Commissioners for Opening Streets were disposed of in the City Court, mostly with very favorable results

to the City. The appeals included Andre, Biddle, Belvedere, Johnson, Clare, Pulaski, Carroll, Ann, Regester, Brevard, McCulloh and East Baltimore streets, and Lovegrove alley. The proceedings for the opening of McCulloh street were quashed by the Court, because the ex-City Surveyor had located the beginning point of the street six feet and one-half distant from the point designated on the ordinance, and it was not deemed advisable to appeal from the action of the Court.

CIRCUIT COURT OF BALTIMORE CITY.

Elizabeth C. Murdock et al.

vs.

The Mayor and City Council.

This was a bill filed to prevent the collection of benefits assessed upon property for the closing of Brown's lane, upon the ground that said lane was not a public highway. Evidence was taken which established to the satisfaction of the Court that said lane was a private road, and not a public highway, and the proceedings under the ordinance for its closing were therefore decreed to be null and void. No appeal was deemed advisable.

Brooks

vs.

The Mayor and City Council, et al.

This was a bill filed to prevent the award of a dredging contract by the Harbor Board to Charles W. Nel-

son, upon the ground that he was not a competent bidder under the ordinances. After a full hearing the Court dismissed the bill.

Henry C. Smyser

vs.

The Mayor and City Council, et al.

The bill in this case was filed to prevent the payment of any money to Charles W. Nelson under the dredging contract referred to in the preceding case. It seems to be virtually an attempted renewal of that case, and is still pending.

A number of cases have been instituted, to which the City is a party, involving the redemption or transfer of City stock. Although they all require attention, they are not of sufficient public interest to justify any special enumeration. Under the decisions of the Court of Appeals, when a decree has been passed for the sale of property by a Court of Equity and a notice given to the Collector, he is restrained from selling the property for non-payment of taxes. A number of petitions have been filed during the year in such cases, and orders obtained authorizing the Collector to proceed to sell. In one case—that of Smyser vs. Schiller, et al.—the property had been tied up in this way since 1872, and the taxes amounted to more than $4,000. The property, when finally offered for sale by the Collector, failed to sell, and, unless the taxes are paid by the parties in interest, proceedings will be taken to hold them and the trustee personally responsible for the amount.

The Baltimore and Jerusalem Turnpike Company

vs.

The Mayor and City Council.

This was a bill filed to restrain the City from laying water mains along the Turnpike Company's road within the City limits. After the taking of much testimony and a full hearing, the bill was dismissed.

CIRCUIT COURT No. 2.

Whitelock, et al.,

vs.

Robert C. Davidson, Mayor, et al.

This bill was filed to prevent the Fire Commissioners from awarding a contract for an engine to Charles T. Holloway, and was afterwards amemded so as to pray that Halloway might be required to return the money received for the engine, and the Fire Commissioners be required to return the engine, upon the ground that it was purchased in violation of the ordinance requiring all supplies to be advertised for, and the contract awarded to the lowest bidder.

The case is still pending.

William B. Coppersmith

vs.

The Mayor and City Council.

This bill was filed to require the City to make good to a trust estate $1,200 worth of City stock, alleged

to have been wrongfully transferred upon the books of the City. It involves the validity of transfers upon endorsement only, and without power of attorney, and is still pending.

There are a number of other cases pending in both the Circuit Courts, not of sufficient public interest to justify any extended reference.

MISCELLANEOUS.

Two habeas corpus cases were disposed of during the year, in the hearing of which the law officers participated, because they were intended to test the validity of the huckster ordinance; but both cases were dismissed upon the ground that the question was not properly presented. The City Solicitor also assisted in the prosecution of a number of persons in the Criminal Court, charged with violations of City ordinances, but as no question was determined regarding the validity of such ordinances, it is not necessary to enumerate them.

Thos. C. Chappell

vs.

The Mayor and City Council.

This is an action of ejectment now pending in the Circuit Court for Anne Arundel County, wherein the plaintiff claims the recovery of certain land in the possession of the City, at or near the sea-wall, and $18,000 damages.

The Mayor and City Council

vs.

Dugan and Lyman, Trustees, and Others.

These were three cases tried together for the condemnation of what was known as the Presstman property, in Druid Hill Park, containing four acres and six-tenths. The owners claimed that the property was worth from forty-six to sixty thousand dollars. The inquisitions of the jury amounted to $33,925, being at the rate of about $7,375 per acre. The cases occupied more than a week in the trial, and it is understood that the owners are not satisfied with the awards, and will except to the ratification of the same by the Circuit Court of Baltimore City.

Very numerous opinions have been required and given upon many questions arising during the year, some of them voluminous, and requiring extensive research. Many ordinances have been drawn, and almost daily consultations held with the Mayor and chief executive officers of the departments.

Any recommendation looking towards an increase in the number of office holders is disagreeable, and should only be made under the compulsion of absolute necessity; but I am satisfied that the amount of work devolving upon the Law Department is more than can be properly disposed of under the present system, without prejudice to the real interests of the City. By the ordinances, the City Counselor is required to try cases

in the Superior Court, the United States Courts and the Court of Appeals, and to give opinions required by the Mayor, either Branch of the Council, or any of its committees. All other legal business of the City, except the examination of titles, devolves upon the City Solicitor, even including assistance to the State's Attorney in prosecuting violations of City ordinances. When the growth of the City is considered, and especially the many questions arising, and necessarily to arise, it will be readily understood by any one conversant with the City's affairs that it is scarcely possible for one man, however active or energetic, to perform all these duties with justice to the best interests of the community. The fact is, that under the pressure of legal business required by the City, the City Counselor, although much occupied by his regular official duties, performs much professional labor on behalf of the City that does not under the ordinances appertain to his office. As the Law Department is at present constituted upon a change of officials, there is no one able or required to give any information as to antecedent cases and transactions; and when it is remembered that to this department is entrusted to some extent the management and direction of almost every important interest of the City, it would seem to be necessary that there should be some person whose continued tenure of office would enable the officers for the time being to have full information of the acts, opinions, &c., of their predecessors. I would therefore recommend the appointment of an Assistant City Solicitor, at a salary sufficient to secure the services of a competent man (say $2,000), whose duty it should be

to perform such services as might be required of him by either the City Counselor or the City Solicitor. I am satisfied that the salary of such an officer would be frequently saved to the City in the preparation of evidence in one damage suit, because at present there is no one whose duty it is to furnish and prepare the evidence in City cases. And it is manifestly impossible for the law officers, in addition to their other multifarious duties, to personally hunt up witnesses and look up evidence in the numerous City cases; and yet, under present circumstances, they are each obliged to do this as best they can, because there is no one else to do it. Every railroad company of any importance has some such person in its employment, and immediately upon the happening of an accident, the statement of every person who is supposed to have any information is procured, and when suits are brought the counsel of the company are in position to treat the whole case intelligently at once. Among the other duties which the proposed official should perform, I would regard the collection, copying and indexing of the opinions of the law officers heretofore rendered, so far as the same can be procured, and a complete record of those hereafter to be given, as important. These opinions, upon important matters at least, are usually prepared with care and labor, and as precedents and guides would be extremely valuable in many cases.

W. A. HAMMOND,

City Solicitor.

ANNUAL REPORT

— OF THE —

Judges of the Appeal Tax Court,

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31, 1890.

REPORT.

APPEAL TAX COURT.

BALTIMORE, January 1st, 1891.

To the Honorable the Mayor and
City Council of Baltimore.

GENTLEMEN:

We beg leave herewith to submit the result of the labors of this Department for the year ending on the 31st day of December, 1890.

Tabular statement "A" shows the taxable basis charged to the City Collector for the years 1886 to 1890, both inclusive, with the assessments added to each, and the collections and abatements made on each.

Table "B" exhibts, by wards, the number of building permits issued during the year.

Table "C", the Assessor's report, shows the number of new buildings and additional improvements assessed during the year by the Court's Assessor, the wards in which they are severally located, and the detail and aggregate valuation of same.

Following these tables will be found the reports, respectively, of the Assessors for Real Estate, and the Bailiffs.

TABLE A.

Statement of Property for each year that stand charged to the City Collector, December 31, 1890.

1886.	*Real.*	*Personal.*
Amount of assessment unpaid January 1, 1890.....	$136,609	$16,205
Amount of assessment.....		23,500
Amount of refunds.....		61,621
Amount of assessment of personal assessed as real..		62,200
	$136,609	$163,526
Amount of abatements during 1890.....	$1,114	$131,354
Amount collected during 1890.....	71,419	14,801
Amount of real assessed as personal	62,200	
Amount remaining uncollected, closed by limitation	1,876	17,371
	$136,609	$163,526
1887.		
Amount of assessment unpaid January 1, 1890.....	$460,405	$1,391,093
Amount of refunds.....	2,650	
Amount of assessment as real assessed as personal..	185,800	
	$648,855	$1,391,093

TABLE A—Continued.

1887.	*Real.*	*Personal.*
Amount of abatements during 1890	$1,264	$311,190
Amount collected during 1890	571,392	245,879
Amount having been assessed as real		185,800
Amount remaining uncollected	76,199	648,224
	$648,855	$1,391,093
1888.		
Amount of assessment unpaid January 1, 1890	$9,393,183	$3,787,852
Amount of refunds	22,564	
	$9,415,747	$3,787,852
Amount of abatements during 1890	$26,402	$531,365
Amount collected during 1890	8,953,579	619,975
Amount remaining uncollected	435,766	2,636,512
	$9,415,747	$3,787,852
1889.		
Amount of assessment unpaid January 1, 1890	$66,045,593	$13,663,669
Amount of new assessments.	1,400	765,990
Amount of refunds	139,103	
	$66,186,096	$14,429,659

TABLE A—Concluded.

1889.	*Real.*	*Personal.*
Amount of abatements during 1890	$134,568	$1,296,811
Amount collected during 1890	54,833,295	6,582,955
Amount remaining uncollected	11,218,233	6,549,893
	$66,186,096	$14,429,659
1890.		
Amount of assessment remaining as part of assessment for 1889	$206,811,935	$41,213,469
Amount of new assessment less abatements on appeals.	2,970,480	2,246,384
Amount of assessments incorporated companies		26,159,672
Amount of new assessments.	10,126	746,461
	$209,792,541	$70,365,986
Amount of abatements during 1890	$239,464	$1,669,372
Amount collected during 1890	140,010,120	53,846,692
Amount remaining uncollected	69,542,957	14,849,922
	$209,792,541	$70,365,986

RECAPITULATION.

Amount for different years that is charged to the City Collector, January 1st, 1891.

1887—Real	$ 76,199	
Personal	648,224	
		$ 724,423
1888—Real	435,766	
Personal	2,636,512	
		3,072,278
1889—Real	11,218,233	
Personal	6,549,893	
		17,768,126
1890—Real	69,542,957	
Personal	14,849,922	
		84,392,879
		$105,957,706
Less amount of plant, 1890.	1,510,526	
Less Consolidated Gas Company plant	590,219	
		2,100,745
		$103,856,961

TABLE B.

The number of Permits issued from January 1st, 1890, to December 31st, 1890, for new buildings and improvements were two thousand and fifty-eight (2,058) and apportioned among the several wards.

Wards.	New Improvements.	Additional Improvements.	Total.
1	330	61	391
2	14	36	50
3	2	18	20
4	14	13	27
5	30	22	52
6	5	26	31
7	410	44	454
8	35	25	60
9	7	12	19
10	17	16	33
11	20	14	34
12	65	22	87
13	5	12	17
14	5	18	23
15	11	12	23
16	5	22	27
17	110	42	152
18	134	31	165
19	280	45	325
20	38	30	68
	1,537	521	2,058

BALTIMORE, January 1st, 1891.

To the Honorable the Judges
of the Appeal Tax Court.

GENTLEMEN:

I most respectfully submit the following as my report for the year ending December 31st, 1890, of the number of new and additional improvements, the several wards in which they are located, and assessed value of the same:

TABLE C.

Ward.	New Improvements.	Additional Improvements.	Value.
1	254	39	$ 241,725
2	22	23	36,650
3	5	16	10,125
4	12	13	20,988
5	30	15	51,475
6	10	23	12,150
7	350	43	316,175
8	63	15	136,750
9	6	6	276,850
10	16	6	204,300
11	17	4	191,825
12	89	10	322,015
13	6	8	12,000
14	11	9	110,375
15	13	7	24,375
16	11	13	10,000
17	135	30	104,125
18	157	24	106,075
19	175	17	137,425
20	154	26	141,275
Total	1,536	347	$2,466,678

Very respectfully,

M. P. CAUGHY,
Assessor.

BALTIMORE, January 2d, 1891.

To the Honorable the
Judges of the Appeal Tax Court.

GENTLEMEN:

The undersigned Assessors have the honor to submit for your consideration their report for the year ending December 31st, 1890.

For abatements allowed on property made on petitions of owners claiming to be over-assessed, see tabular statement annexed:

Wards.	No. of Appeals.	No. Dismissed.	No. Granted.	Amount Abated.
1.....	39.....	19.....	20.....	$ 5,400
2.....	27.....	10.....	17.....	5,934
3.....	24	7.....	17.....	5,950
4.....	32.....	16.....	16.....	5,150
5.....	61. ...	18.....	43.....	13,400
6.....	52.....	17.....	35.....	8,500
7.....	43.....	19.....	24.....	6,350
8.....	40.....	15.....	25.....	7,650
9.....	87.....	37.....	50.....	55,500
10.....	42.....	28.....	14.....	8,050
11.....	36.....	21.....	15.....	7,300
12.....	114.....	59.....	55.....	31,737
13.....	36.....	8.....	28.....	9,450
14.....	58.....	18.....	40.....	19,100
15.....	22.....	5.....	17.....	7,750
16.....	45.....	15.....	30.....	17,750
17.....	39.....	14.....	25.....	4,800
18.....	50.....	36.....	14.....	3,300
19.....	236.....	113.....	123.....	45,400
20.....	46.....	27.....	19.....	6,300
	1,129	502	627	$274,771

Respectfully submitted. GEO. W. MASSAMORE,
E. ROSENBAUM,
FRANCIS X. JENKINS, *Clerk.* *Assessors.*

TAX DEPARTMENT,
CITY COLLECTOR'S OFFICE—CITY HALL.

BALTIMORE, January 1st, 1891.

To the Honorable the Judges
of the Appeal Tax Court.

GENTLEMEN:

The undersigned reports the Bailiffs' Department as having made assessment of personal property to March 1st, 1890, of the following amount: Two million six hundred and fifty-six thousand four hundred and eleven dollars ($2,656,411).

Respectfully submitted,

P. SCANLAN,

Bailiff.

TRANSFERS.

From January 1st, 1890, to January 1st, 1891, there have been six thousand nine hundred and fifty-two (6,952) transfers of property, against seven thousand eight hundred and two (7,802) for 1889.

PLANT.

The amount of application and exemption from City taxes for plant, 1890, aggregate a total of $1,510,526 to individuals, and exemption to Consolidated Gas Company, $590,218; total, $2,100,745, against $2,114,506 for 1889.

REFUNDS.

From January 1st, 1890, to January 1st, 1891, there have been eighty-seven (87) orders for refunding of taxes, given generally to parties who have paid in error, either as double payments or on wrong property, or have paid on old improvements torn down as well as on the new improvement.

This report will only follow the many preceding ones in its recommendation that a complete re-assessment of the real and personal property of the City of Baltimore be made.

It is the heroic remedy for the tax troubles of our City, and no measure which seeks to adjust tax dues between the citizen and the corporation will be at all effective which does not provide for such new assessment.

The values of tenable property must be relative and variable, instead of positive and fixed, it being dependent upon the conditions of neighborhood, health, mutations of trade, &c., which enter as elements into the value of such property.

The lapse of years bringing with it the steady growth of the City and the changing of its centres of trade, the extinction of certain industries and manufactures, the abandonment of one section of a city for fashionable residence for another, the shrinkage of commerce, a fictitious, premature and disproportionate amount of building—all contribute to destroy the accuracy of the original assessments of the property thus affected.

This Court cannot refrain from expressing its genuine regret that His Excellency the Governor of this State, did not discover in the new assessment law passed by the recent General Assembly of 1890, taxment and worth which would have warranted his signature, but attributes its failure more to the selfish and persistent importunities of capital than to any willful disregard of the interests of the taxpayer by the Governor.

The Court repeats the expression of hope that the General Assembly which convenes in 1892 will not fail to pass such an imperatively needed reform in our tax laws, the inequality of which is brought to our daily observation.

The Court refers with much gratification to the increment of $5,123,089, less abatements, made to the basis of assessment of 1891.

That there is a large quantity of that species of personal property known as choses in action, negotiable securities, stocks, &c., that escape taxation, the Court is aware, but under the present law of discovery the opportunity for improvement seems small.

Respectfully submitted,

WM. H. B. FUSSELBAUGH,
E. J. CHAISTY, JR.,
E. T. JOYCE,
Judges of Appeal Tax Court.

H. O. MOWINCKEL, *Chief Clerk.*
MICHAEL H. DOYLE, *Assistant Clerk.*

ANNUAL REPORT

—OF THE—

TRUSTEES

—OF THE—

McDONOGH FUND,

—TO THE—

Mayor and City Council of Baltimore,

JANUARY, 1891.

BOARD OF TRUSTEES.

1890-91.

OFFICERS.

President,
SAMUEL H. TAGART.

Vice President,
WILLIAM A. STEWART.

Secretary,
GERMAN H. HUNT.

Treasurer Barnum Bequest,
SAMUEL H. TAGART.

TRUSTEES:

WILLIAM A. STEWART.....212 North Charles street.
SAMUEL H. TAGART..... 16 East Lexington street.
DAVID L. BARTLETT.....205 East German street.
GERMAN H. HUNT..... 14 South street.
ROBERT GARRETT..... 11 South street.
ENOCH G. HIPSLEY.....Old Town Bank.
WILLIAM KEYSER.....205 East German street.

STANDING COMMITTEES:

WM. A. STEWART, ROBERT GARRETT.....Finance.
D. L. BARTLETT, WM. KEYSER.....Education.
G. H. HUNT, D. L. BARTLETT.....Barnum Bequest.
D. L. BARTLETT, G. H. HUNT.....Buildings.
E. G. HIPSLEY, WM. KEYSER.....Farm and Lands.
G. H. HUNT, WM. KEYSER.....Housekeeping and Supplies.
D. L. BARTLETT, G. H. HUNT.....Legislation.

The President of the Board is Chairman of each of the Standing Committees.

REPORT OF THE PRINCIPAL.

McDonogh School, July 15th, 1890.

To the Trustees of the
McDonogh Educational Fund and Institute.

Gentlemen:

I submit herewith the catalogue of McDonogh School for the session ending May 31, 1890. It gives a detailed account of the operations of the school during the session, and outlines the system of instruction and discipline that has been followed for many years. Appended to the catalogue proper is the usual annual record of positions held by the alumni, from which it will be seen that the old McDonogh boys are doing credit to themselves and to the school.

Since the date of my last report, January 1, 1890, there has not been a single case of serious sickness among the boys, and their general progress and conduct have been more than satisfactory. The work during the year in the class-rooms and in the shops has been done well, and it is a duty as well as a pleasure to bear testimony to the faithfulness and skill of those who are associated with me in the management

of the school in its various departments. The farm and the garden, also, have been well managed by Mr. Clousher and Mr. Blair.

Within the past year two notable additions have been made to our mementos of the benefactors of our school. Besides the splendid portrait of John McDonogh which I mentioned in my last report, we have a life-size portrait of Dr. Zenus Barnum, painted for your Board by the artist John Dabour, and a bronzed bust of John McDonogh, also of life size. The portrait was painted from a photograph, and is a correct likeness of the man to whose generosity we owe the endowment fund of the Barnum Shops. The bust, for which we are indebted to the courtesy of Hon. Joseph Shakespeare, Mayor of New Orleans, is said by a gentleman of high standing in New Orleans, who knew Mr. McDonogh well, to be a wonderfully accurate representation of the features and expression of the founder of our school.

The Friday afternoon lectures, which have been pleasant incidents of school life at McDonogh for many years, were kept up last session during the winter months. In addition to lectures by Messrs. Smith, Sumwalt and Noble, of our faculty, we are indebted for delightful addresses to Mr. Joseph Packard, Jr., Dr. Wm. F. Smith, Mr. John Hemsley Johnson, Dr. B. W. Barton, Mr. German H. Hunt, Dr. William Osler, Dr. George J. Preston, Mr. Theodore Hough, Capt. J. Frank Supplee and the Rev. E. O. Eldridge.

The exercises of our last commencement day were interesting. A large audience, composed of friends of the boys, a number of the McDonogh alumni, and prominent gentlemen interested in the work of the school, was present. The Sharp Cup, for the highest grade in scholarship, was awarded to W. W. Walker. The Debating Society prizes were won by John W. Johnson and A. D. Thompson. The Debater's medal, the gift of Mrs. Allan, was won by C. J. Faulstich. The address to the boys by the Rev. Arthur Chilton Powell, of Baltimore, was most admirable for its appropriateness. This address has been published by the Trustees, the McDonogh boys doing the printing in their office.

At the close of the session of 1889–90 there were one hundred boys in the school. Nineteen of these completed their school course with credit and were honorably discharged. They soon secured positions, and nearly all of them are now at work in Baltimore. Three others were not re-appointed for the coming session, and two were withdrawn after the school had closed for the summer. For appointment to the twenty-four vacancies thus caused seventy-one applicants were examined. The examination was held at Male Grammar School No. 1, corner Greene and Fayette streets, Baltimore, in the presence of Messrs. Tagart and Bartlett of the Education Committee of the Board of Trustees. Superintendent Henry A. Wise, of the Baltimore City Schools, and Principal William F. Wardenburg, of the Eastern Female High School, again consented to act as examiners. The result of

the examination was reported to the Board, and the appointments to fill the vacancies were made from those who stood highest.

Two vacancies were created in our corps of teachers this summer by the resignation of Messrs. Noble and Chambers, who taught very acceptably here during the past session. Mr. Noble leaves us to prepare for the profession which he has chosen for his life work, and Mr. Chambers goes to Lexington, Mo., to assume the duties of a professorship in the military academy at that place. We regret the loss of these two faithful teachers. Their places have been filled by the appointment of Mr. Charles H. Grace, a graduate of St. John's College, and Mr. F. B. Crawford, an A. B. of Washington and Lee University. These gentlemen will enter upon their duties on the 1st of August.

The McDonogh Alumni Association held its annual summer meeting at the school on the 4th of July. Messrs. Tagart, Bartlett and Hunt of the Board of Trustees were present. There was a larger attendance of the members of the association than ever before, and the proceedings of the meeting were interesting and enjoyable. The orator of the day, Mr. John A. Finney, of the class of 1876, made an excellent address, which the association resolved to publish. The printing will be done in the McDonogh printing-office. The orator chosen to make the annual address at the next meeting of the alumni is Mr. Charles H. Sumwalt, of the class of 1881.

Respectfully,

D. C. LYLE, *Principal.*

McDONOGH SCHOOL.

THE FOUNDER OF THE SCHOOL.

The founder of the McDonogh School was John McDonogh, who was born in Baltimore, December 29, 1779, and died in New Orleans, October 26, 1850. Having been trained to mercantile pursuits by Mr. Wm. Taylor, then one of the foremost merchants of Baltimore, Mr. McDonogh was sent by this gentleman, in the year 1800, to take charge of his New Orleans business. Thenceforth New Orleans was Mr. McDonogh's home. He soon entered business on his own account, and in a few years became one of the leading merchants and citizens of that growing city He invested his accumulations in real estate, and gradually became absorbed in the management and increase of his property. He never married, and at a comparatively early period of life determined to devote all his estate to charities. His principal purpose was the education of the poor, an object which he considered one of the noblest that can engage human effort. He labored assiduously for many years to accumulate wealth, and twelve years before his death made his will, devising the bulk of his estate, amounting to $1,500,000, in equal parts to the cities of New Orleans and Baltimore, for the promotion of the object he had in view.

THE ESTABLISHMENT OF THE SCHOOL.

The portion of Mr. McDonogh's estate given to Baltimore was devoted, in accordance with one of the provisions of the will, to the establishment near that city of a farm school for the education of poor boys. The civil war, as well as the legal contests which arose over the will, delayed for twenty years the execution of its provisions. In 1868 the city of Baltimore created the present Board of Trustees, to whom were confided the care of the property and the carrying out of Mr. McDonogh's wishes. This Board, in 1872, as soon as the city's title to Mr. McDonogh's bequest had been finally confirmed, purchased the estate on which the school now stands. The needed repairs having been made, the school was opened November 21, 1873, with twenty-one scholars, in the buildings that were on the farm at the time of its purchase. In 1881 the permanent buildings for the institution were begun, and the principal ones have recently been completed.

LOCATION OF THE SCHOOL.

The school is situated twelve miles northwest of Balmore, on the Western Maryland Railroad, on a fine estate of eight hundred and thirty-five acres. This estate lies on the upper waters of Gwynn's Falls, in one of the most beautiful and healthful regions about the city. A railway station and a postoffice, each called McDonogh, are on the farm.

THE PROPERTY OF THE FOUNDATION.

The property of the foundation now consists of :

1. The bequest of Mr. McDonogh. This now comprises an endowment fund of $708,500, invested in Baltimore city stocks ; the McDonogh farm and the buildings upon it ; and several tracts of unimproved land in Louisiana.

2. The bequest of Dr. Zenus Barnum. He left at his death, March 23, 1882, an estate valued at about $80,000, for the promotion of mechanical instruction and manual training in the McDonogh School.

THE OBJECT OF THE SCHOOL.

In accordance with the will of Mr. McDonogh, the foundation is designed for the education, first, of the poor boys of the city of Baltimore ; second, of those of the towns and villages of the State of Maryland ; and third, of those from "the different large cities of the Union." The preference which Mr. McDonogh directed to be given to the applicants from the city of Baltimore has thus restricted appointments to boys from that city, and it is probable that this will continue to be the case.

Boys admitted on the foundation have no fees of any kind to pay, the entire expense of their maintenance and education being borne by the school so long as they are connected with it.

QUALIFICATIONS OF CANDIDATES.

The Board of Trustees, in carrying out the purposes of Mr. McDonogh's will, have fixed upon the following as the necessary qualifications of candidates for admission to the school:

1. They must be poor boys, of good character, of respectable associations in life, residents of the city of Baltimore.

2. They must be sound and healthy in body and mind.

3. They must be between ten and fourteen years of age.

APPLICATIONS FOR ADMISSION.

All applications for admission to the school should be made to S. H. Tagart, Esq., President of the Board of Trustees, 16 East Lexington street, Baltimore. Persons desiring to make application can obtain from him a printed form containing the questions to be answered and a statement of the information required in regard to the applicant. In addition to the statement thus required the President examines the applicant orally, in regard to his progress or any other matter about which he desires further information, and notes the result. Applications can be made and the papers filed at any time of the year.

MODE OF APPOINTMENT.

The appointments are usually made in June just after the close of the scholastic year. So numerous have become the applications of eligible candidates to fill the annual vacancies caused by the withdrawal of the graduating class, or of others, that the Board has adopted the following method of appointment: An examination is held early in June at some convenient place in Baltimore, and all the eligible candidates on the register are notified to attend. These candidates are then carefully examined as to their intelligence and attainments, and their previous record is considered. The examination covers the ground passed over in certain grades of the city grammer schools. A graded list is then made out and submitted to the Board, which fills the vacancies by taking the candidates in order of merit. The examination is conducted, in the presence of the President and a committee of the Board, by prominent professors or teachers invited for the purpose and unconnected with this school.

ENTRANCE EXAMINATIONS.

The applicants for appointment in June, 1890, were divided into four classes, according to their advancement, and separate examinations were given to the different classes. The examinations appended are those given to the most advanced and the least advanced of the candidates.

For the Most Advanced Applicants.

Arithmetic.—1. After selling $\frac{3}{5}$ of his farm, and $\frac{1}{3}$ of the remainder, a man has 204 acres left. How many acres had he at first? 2. Change .054$\frac{1}{3}$ to a common fraction. 3. Reduce $\frac{3}{4}$ of 19 £ 3s. 6d. to farthings. 4. How many kegs, each of which will hold 3 gal. 2 qt. 1 pt., can be filled from a cask containing 2 hhd. 4 gal. 2 qt.? 5. Reduce to its simplest form $\frac{1}{4}$ of $\frac{1-\frac{1}{8}}{2}$—X—$\frac{2-\frac{1}{8}}{3}$—X—$\frac{3-\frac{1}{8}}{4}$.

Geography.—1. Bound Mississippi. 2. What are the chief agricultural productions of the Southern States? 3. Is the surface of Tennessee flat or mountainous? 4. Describe the Neva River. 5. Bound Spain. In which zone is Spain situated?

Reading.—From the Fifth Reader.

Language.—A test of spelling, writing, and grammar.

For the Least Advanced Applicants.

Arithmetic.—1. Write three million ten thousand and thirteen. 2. Multiply 999888 by 7864. 3. Divide 83629584 by 9863. 4. If a bushel contains 324 apples, 16200 apples will make how many bushels? 5. A man had 2948 eggs; he sold 725 of them, then bought 295 more, and afterwards sold 963. How much are the rest worth at 3 cents apiece?

Geography.—In what direction from North America is the Atlantic ocean? 2. What is an island? 3. If you stand with your back to the east, in what direction will your right hand be? 4. What is a lake? 5. In what State is Baltimore?

Reading.—From the Third Reader.

Language.—A test of spelling, writing and grammar.

RE-APPOINTMENTS.

All appointments are made for the current scholastic year only, and expire on the 1st day of July next succeeding the date of appointment. As that day approaches, those scholars who have not completed their sixteenth year may make written application to the Principal of the school for re-appointment for the succeeding year. The applications are approved or disapproved, and then forwarded to the Trustees. When the application is approved by the Faculty, the scholar is commonly re-appointed; otherwise he is dropped, and the vacancy filled in the usual way from outside.

SCHOLARSHIPS.

The regular term of residence which a scholar may by successive annual appointments enjoy in the McDonogh School terminates with the session in which he reaches his sixteenth year. But to encourage a spirit of excellence and attention to duty, as well as to furnish still further advantages to those who are

most worthy, the Board has established scholarships, which are conferred as prizes, at the end of each session, on those boys who, up to the age of sixteen years, have best improved the opportunities afforded them at the school. Recipients of these scholarships are entitled to the privileges of the school for an additional year, and are required, in consideration thereof, to perform such extra duties as may be assigned to them. Hitherto the Board has never extended this privilege beyond one year.

LENGTH OF SESSION.

The school session opens on the second Monday in August, and closes on the Saturday before the first Tuesday in June. It is divided into two terms, the second of which begins on the 1st of February.

FURLOUGHS AND VISITS.

Furloughs are given to all the boys for a few days at Christmas, to allow them to visit their homes or friends. A holiday varying in length from four to ten days, according to the standing of the boy during the preceding session, is also given at some time during the vacation months.

The afternoons of the first Saturday in April and the first Saturday in October are set apart for visits to the boys from their relatives and friends. At no other time, except on Commencement Day, are visits to the boys permitted.

Catalogue of the School.

SESSION 1889-'90.

PRINCIPAL:

DUNCAN C. LYLE, M. A.

INSTRUCTORS:

WM. BALLARD SMITH, M. A., C. E.,
Shop Work, Physics, Mathematics.

SCHUYLER B. MOON, A. B., C. E.,
Physiology, History, Botany.

CHARLES H. SUMWALT,
Music, Drawing, Shorthand, Geography.

JAMES Q. CHAMBERS, A. B.,
Mathematics, Bookkeeping.

HERBERT NOBLE, A. B.,
German, History, English, Shorthand.

MATRON:

MRS. JOSEPHA YOUNG.

NUMBER OF SCHOLARS.

At the close of the session of 1888-89, there were ninety-five boys in the school. Twenty of these having completed their term of residence, were honorably discharged, and two did not receive appointments for the following year.

In the course of the session of 1889–90, one boy ran off, one was dismissed, one became a special student at the Johns Hopkins University, two boys were withdrawn on account of physical infirmity, and two withdrew to enter upon business pursuits. The vacancies thus caused were promptly filled by other appointees, and the number of boys present in the school during the entire year was one hundred.

RECORD OF THE SCHOLARS.

The record made by the boys in their classes for the session of 1889–90 is given below. The "standing," except when otherwise stated, is the average mark for the whole session of ten months, and is made out with reference to one hundred as the maximum.

FIRST CLASS.

GRADE.	NAMES.	STANDING.
1	Hall, Robert James	87.3
1	Macdonald, Robert Webster	87.3
3	Faulstich, Charles John	84.9
4	Martin, James Luther	79.8
5	Johnson, John Wesley	79.3
6	Burgess, William Ernest	77.2
7	Bruce, Charles Altvater	77.1
8	Doenges, Samuel Frederick	75.7
9	Dillon, Jesse Lee	72.3

SECOND CLASS.

GRADE.	NAMES.	STANDING.
1	Von Culin, Elon Way	84.1
2	Mayer, Lewis Christian	82.0
3	Thomas, Harry Cromwell	78.2
4	Brach, William Volant	77.1
5	Fitchett, Thomas Howard	74.9
6	Thompson, Arthur Dorsey	74.7
7	Vollmer, Henry William	73.6
7	Thrift, James Fleet	73.6
9	Gambrell, James Henry	67.9

THIRD CLASS.

GRADE.	NAMES.	STANDING.
1	Nelson, James Arthur	87.8
2	Ray, Charles Wilson	84.2
3	Scopinich, Antonio Jasper	82.5
4	King, Thomas	80.8
5	Seager, Robert	77.0
5	Brown, Henry Gassaway	77.0
7	Trezise, Francis	76.7
8	Davis, Eldred Higgins	74.2
9	Macdonald, James Gordon	74.0
10	Smith, Lee Carroll	72.8
11	Caulk, David Howard	71.6
12	Childs, William Henry	69.2
13	Cross, David Harman	68.8
13	Ditty, George Irving	68.8
15	Jackson, William A	67.5
16	Peed, William Shannon	61.2
17	Caulk, William Edgar	55.0

FOURTH CLASS.

GRADE.	NAMES.	STANDING.
1	Walker, William Wesley	89.7
2	Armstrong, George Merryman	83.7
3	Hurst, Sandy Lee	82.4
4	Howell, Harry Fulton	81.8
5	Hayes, William Wark	80.0
6	Gwyn, Matthew Kemp	79.0
6	Lamson, Arthur Warren	79.0
8	Crawford, John Robert	74.1
8	Jones, Clifton Ashby	74.1
10	Martin, Charles Henry	73.3
11	Condon, William Howard	72.8
12	Price, William James	71.8
13	Olmstead, Henry Hall	71.2
14	Britton, Howard Frater	69.6
15	Kidd, John Jackson	67.7
16	Athey, Thomas Burch	66.9
17	Swigert, Charles Leonard	66.7
18	Shipley, Albert Robinson	64.4
19	Jones, Milton Walter	64.1
20	Holmes, John Philip	63.5
21	Gautron, Alexander Jesse	60.2

FIFTH CLASS.

GRADE.	NAMES.	STANDING.
1	Kearney, Edward Lee Carroll	84.9
2	Gramly, Henry Walburne	84.1
3	Stewart, Marion Herold	82.7
4	Brach, John Robert Reynolds	82.4

GRADE.	NAMES.	STANDING.
5	Athey, William Burnard Price	81.8
6	Coy, Edmund Bannister	79.4
7	Roever, Charles	79.3
8	Hanshaw, Lloyd Edgar	77.3
9	Childs, William Talbot	72.9
10	Scopinich, Frederick Emanuel	70.7
10	Williamson, Calvert	70.7
12	Boyd, Harry Robert	70.4
13	Wheat, Nathaniel Stockton	69.7
14	Hayden, Gillette Halleck	69.5
15	Miller, George Washington	69.2
16	Chavannes, Charles Cecil	68.7
17	Ballentine, James Taylor	68.3
18	Gray, Irven Bennett	66.2
19	Scott, Stuart Stevens	65.6
20	Harris, Robert Clayton	64.9
21	Herbert, Chester Arthur	61.8

SIXTH CLASS.

GRADE.	NAMES.	STANDING.
1	Brown, Hampton Emory	87.5
2	Pender, George Harold	83.8
3	Carvill, George Mifflin	81.6
4	Tennison, Harry Lawrence	81.0
5	McDaniel, William Robert	80.7
6	Hess, Walter Vincent	80.5
6	Hill, John Shelton	80.5
8	Wilson, Philip	79.4
9	Thompson, Charles Edwin	78.8

GRADE.	NAMES.	STANDING.
10	Walton, William Alexander	77.8
11	Jackson, Ellis Long	72.9
12	Hosking, Irving Ross	70.8
13	Meade, Roland Octavius	70.6
14	Chaney, Charles Henry	70.3
15	Stubbs, Albert Morton	69.9
16	Ward, Richard John	67.6
17	Olmstead, Edward Fraser	67.4
18	Trader, Henry Clinton	65.9
19	Lester, Chauncey Reese	64.7
20	Johnston, Joseph Edward	62.9
21	Addison, Edward Shanley	62.3
22	Bull, William Edward	56.5
23	Burgess, Mason Ricketts	47.3

COURSE OF STUDY.

The course of study pursued during the session 1889–90 by the different classes of the school was as follows:

The First Class studied a hundred exercises in Ahn-Henn's German series, with three hundred pages of German prose; eight books of Bradbury's Geometry, and the subject of land surveying and leveling in Davies' Surveying. All of Gage's Elementary Physics; all of Freeman's History of England, weekly exercises in English composition, and had daily exercises in shorthand, mechanical drawing and music throughout the year.

The Second Class studied the history of the United States, with Barnes and Scudder as text-books; had tri-weekly exercises in English composition, on subjects assigned by the instructor and investigated by the scholar; forty exercises in Ahn-Henn's German series, and a hundred and thirty pages of Ahn-Henn's German Readers; all of Wells' Algebra; all of Martin's Physiology; and had daily exercises in shorthand, mechanical drawing and music throughout the year.

The Third Class studied Knox-Heath's The Parts of Speech and How to Use Them, with tri-weekly exercises in English composition; Gray's How Plants Grow, with analysis of forty flowers and class instruction in cross-fertilization and elementary histological botany; Bryant and Stratton's Book-Keeping; one hundred and fifty exercises in Ahn-Henn's German series and ninety pages of Ahn-Henn's German Reader; arithmetic from percentage to the end; Wells' Algebra to equations of first degree; and had daily exercises in free hand drawing and music throughout the year.

The Fourth Class studied the whole of Harrington's Spelling Book; three hundred pages of Knox-Heath's The Parts of Speech and How to Use Them, with daily exercises in English composition; all of Appleton's Higher Geography, with exercises in map drawing; arithmetic, from common fractions through interest; and had daily exercises in reading, writing, free hand drawing, and music throughout the year.

The Fifth Class studied all of Harrington's Spelling Book; all of Appleton's Elementary Geography, with exercises in map drawing; Abbott's How to Tell the Parts of Speech, with daily exercises in English composition; arithmetic through percentage; and had daily exercises in reading, writing, free hand drawing, and music throughout the year.

The Sixth Class studied the first half of Harrington's Spelling Book; all of Appleton's Elementary Geography; arithmetic through decimal fractions; and had daily exercises in reading, writing, free hand drawing, and music throughout the year.

TEXT-BOOKS.

The following were used during the year: Harrington's Spelling Book, Abbott's How to Tell the Parts of Speech, Knox-Heath's The Parts of Speech and How to Use Them, Scudder's and Barnes' Histories of the United States, Appleton's Geographies, the Ahn Henn German series, Whitney's and Adler's German Dictionaries, Spencerian Writing Books, Bryant and Stratton's Book-Keeping, Prang's Text-Books of Art Education, Walton's Arithmetical Cards, Wells' Academic Algebra, Bradbury's Geometry, Davies' Surveying, Gage's Physics, Martin's Human Body, Thomas' History of England, Gray's How Plants Grow, Shaw's English Literature, Pitman's Reporter's Companion, Eichberg's Music Reader.

SCHEDULE OF STUDIES.

The table below gives the number of hours of preparation and recitation assigned per week to the various branches of study during the second term of the session of 1889–90:

CLASSES.	English.	Mathematics.	Drawing.	Music.	Geography.	Book-keeping.	Writing.	Shorthand.	German.	History.	Physiology.	Botany.	Physics.	Handcraft.	Total.
First	3	8	3	2	..	...	...	4	6	4	...	...	5	9	44
Second	2	9	3	2	...	...	...	4	7	3	4	...	...	9	43
Third	5	9	2	2	...	3	...	...	6	...	...	5	...	9	41
Fourth	10	9	2	2	5	...	2	...	...	...	...	...	...	9	39
Fifth	9	8	2	2	5	...	2	...	...	...	...	...	...	9	37
Sixth	8	7	2	2	5	...	2	...	...	...	...	...	...	9	35

RELIGIOUS INSTRUCTION.

A chapel service is held every morning, and the exercises of the school are closed with sacred music. The Rev. Hobart Smith, rector of St. Thomas' parish, Baltimore county, holds regular services at the school every Sunday afternoon. Sunday forenoon a sermon or other suitable matter is read, or a talk is given to the boys, and at night systematic instruction in the Bible is given to the classes into which the school is, for this purpose, divided.

PRIZES.

A Certificate of Distinction is conferred at the close of each half session of the school upon every boy whose mark on the examination and final standing are each eighty per cent. or more in any three of his studies—one certificate being given for each group of three studies in which the requisite eighty per cent. is made. In awarding these certificates, spelling, reading, writing, book-keeping, and drawing are counted as one study each; English, geography, German, history, physiology, chemistry, physics, mechanics, and botany are counted as two studies each; and mathematics is counted as three studies.

Upon each boy who wins two or more of these Certificates of Distinction, a *Certificate of Special Distinction* is conferred if his grade is not below sixty per cent. in any one of his studies.

Certificates of Distinction were awarded, in accordance with the above scheme, to a respectable proportion of the boys, and were conferred by the Principal at the close of the examinations in January and in May.

Certificates of Special Distinction were won at the examinations in January by the following boys, who passed satisfactorily all their examinations, and made distinguished attainments in the required number of studies:

First Class—C. J. Faulstich, R. W. Macdonald, R. J. Hall.

Second Class—E. W. Von Culin, L. C. Mayer, H. C. Thomas.

Third Class—J. A. Nelson, C. W. Ray, A. J. Scopinich, J. G. Macdonald.

Fourth Class—W. W. Walker, S. L. Hurst, A. W. Lamson, G. M. Armstrong, W. W. Hayes, M. K. Gwyn.

Fifth Class—W. H. Gramly, E. L. C. Kearney, E. B. Coy, J. R. R. Brach, M. H. Stewart.

Sixth Class—H. E. Brown, W. R. McDaniel, P. Wilson, J. S. Hill, H. Pender, H. L. Tennison, C. E. Thompson, G. M. Carvill.

At the examination in June Certificates of Special Distinction were awarded to the following boys:

First Class—R. J. Hall, R. W. Macdonald, C. J. Faulstich, J. L. Martin, C. A. Bruce.

Second Class—L. C. Mayer, E. W. Von Culin.

Third Class—J. A. Nelson, A. J. Scopinich, T. King, C. W. Ray.

Fourth Class—W. W. Walker, G. M. Armstrong, S. L. Hurst.

Fifth Class—W. B. Athey, E. B. Coy, E. L. C. Kearney, J. R. R. Brach, C. Roever, M. H. Stewart.

Sixth Class—H. Pender, H. E. Brown, W. V. Hess, J. S. Hill, H. S. Tennison.

THE MERCER CUP.

This cup, presented by Charles H. Mercer, Esq., for use as a champion cup, is given each year to that boy (of those who are to return the following year) who has made the highest general average in his classes for the year, and whose deportment has also during that time been satisfactory. This cup was first awarded in 1885. The holders up to this time have been R. P. Lewis, J. F. Thrift and H. W. Lanier. For the session of 1889–90 it was won by W. W. Walker, and was conferred upon him Commencement Day, 1890.

THE SHARP CUP.

In 1887 Dr. A. P. Sharp, of the firm of Sharp & Dohme, in Baltimore, prompted by his interest in the school and his regard for the memory of Charles H. Mercer, Esq., made a valuable addition to the Mercer prize. He presented to the holder of the Mercer Cup for that year a beautiful silver cup, which was to be not only held, but owned by the recipient. In 1888 Dr. Sharp again presented a cup to the holder of the Mercer prize, and made known his intention to continue the custom in the future. At the Commencement in May, 1890, the Sharp Cup was conferred upon W. W. Walker.

DEBATING SOCIETY.

The Allan Debating Society, founded in 1878 by a number of the older boys in the school, was in successful operation during the past year. At the close of

the session a gold medal offered by Mrs. William Allan to the best debater in the society, was conferred upon C. J. Faulstich, and a prize offered by the Principal to the best lecturer was conferred upon J. W. Johnson, and a prize offered by the society to the best reader was conferred at the same time upon A. D. Thompson, who were selected by the society as the recipients of these honors.

SCHOLARSHIPS.

Prize scholarships for the session 1890-91 were conferred by the Board of Trustees at the Commencement in May 1890, upon R. J. Hall, L. C. Mayer, C. W. Ray, A. D. Thompson, J. F. Thrift.

These scholarships, conferred, in accordance with the resolution of the Board as explained on page 1203, only upon boys who have reached the age of sixteen years, entitle the holders to the privileges of the school for an additional year.

THE SCHOOL LIBRARY.

A library was begun in 1874 for the use of the scholars and officers of the school. It now contains about 2,650 volumes, which have in great part been selected with reference to furnishing the boys with pleasant and healthful reading. Other books will be added from time to time, as means and opportunity permit.

ROUTINE OF DAILY EXERCISES.

The work of the day has been distributed as follows: The boys rise at 5 o'clock, make up their beds, and put their rooms in order. At 6.30, chapel excercises for fifteen minutes; then a lecture of fifteen minutes on the current news of the day.

Breakfast at 7. At 7.50 recitations begin, and continue, with an intermission of fifteen minutes, until 1.15, at which time the school is dismissed with music, and the boys march out.

Dinner at 1.30. At 2.15 a squad or company drill for twenty minutes. The remainder of the afternoon is given to work in the shops and on the farm, and to play. Those boys, however, who fail on the morning recitations, are required to devote a part of the afternoon to making up the deficiency.

Supper at 6.30. At 7.10, the preparation of lessons for the next day is begun, and is continued for an hour and twenty minutes for the small boys, and an hour and fifty minutes for the large boys. At 9.10 all the boys are required to be in bed.

Saturday is given to play or to work, according to circumstances.

MILITARY TACTICS.

The school is organized into two military companies, and regularly drilled, in good weather, about twenty minutes a day. Only the simpler evolutions of squad

and company drill are taught, without arms. Two captains, two lieutenants, six sergeants, and six corporals were appointed last year from among the boys. They not only had authority over the company while in ranks, but had considerable power and responsibility in the general management and discipline of the school. The officers on the 1st of June, 1890, were:

Company A.		Company B.
J. W. Johnson	Captain	R. W. Macdonald.
J. F. Thrift	Lieutenant	T. H. Fitchett.
J. L. Martin	First Sergeant	W. E. Burgess.
R. Seager	Second Sergeant	S. F. Doenges.
A. D. Thompson	Third Sergeant	C. J. Faulstich.
J. A. Nelson	First Corporal	W. W. Walker.
J. G. Macdonald	Second Corporal	C. W. Ray.
R. J. Hall	Third Corporal	S. L. Hurst.

OUTDOOR WORK AND MANUAL TRAINING.

All the boys are required to do certain work connected with the administration of the school, such as making up their own beds, cleaning rooms, etc.; but this is not looked upon as part of their manual training.

TIME ALLOTTED TO WORK.

During the school session of forty-two weeks, from August to June, a portion of the afternoons and of the Saturdays is devoted to manual work. The time so applied averages an hour and a half a day, or nine hours per week. At some time during the ten weeks

of summer vacation the boys have a week or ten days in which to visit their friends. The remainder of the summer is spent at the school, and is entirely devoted to manual training. During this period of two months the boys are employed in various kinds of work below noted for six hours or more per day. It is in this portion of the year that the most effective part of their technical training is given.

FARM AND GARDEN WORK.

1. Almost every day, when the weather permits, squads, each under an officer, are sent to the farmer and the gardener. Work such as they can do is laid out carefully beforehand, and the squads are arranged with reference to their previous experience. With the exception of plowing and driving, for which they are too young, the boys are taught on the farm to perform all the operations requisite in planting, cultivating and harvesting crops of corn, grain, hay, potatoes, etc. In the same way they work in the garden, and are made acquainted by actual practice with the growing of all the vegetable crops, and the planting and cultivating of small fruits. A few learn how to manage hot beds, and how to propagate trees and vines by buds, grafts and cuttings. The squads and the boys are so arranged that each boy is practiced in a large number of the most important operations of the farm and the garden.

2. Sometimes certain special tasks are assigned to the same boys for a considerable length of time. Thus

one boy weighs and records the milk taken from the cows in the stable when they are milked in the afternoon, and he usually learns to milk them. Another, for months at a time, is trained as shepherd, and looks after the sheep. Two are regularly employed during part of the year in learning how to manage bees. They have charge, under proper direction, of from ten to twenty hives, and are made to perform all the operations of feeding and dividing hives, of raising and introducing queens, and taking honey. Several boys have thus acquired, during their school course, a considerable knowledge of the elements of bee keeping.

MAP WORK, SURVEYS, ETC.

Two boys each year are taught to take weather observations in accordance with the regulations prescribed by the United States Signal Office. They record and reduce them, and transmit their report monthly to Washington on the blanks furnished to voluntary observers. Boys who show an aptitude in that direction are set to work at map and other drawing, and constitute a little drawing club, where maps, plans and diagrams are prepared for use in the school. Frequently an engineer corps is formed to survey and map some portion of the farm. In this way the areas of all the fields on the farm have been determined and plans of them made. A more extensive work of this kind was the construction of a full topographical map of the estate, showing the elevation at every fifty feet of horizontal distance. During the winter classes are

formed in type-writing, and the hours usually devoted to outdoor work are spent by a number of boys in acquiring some knowledge of this subject.

THE BARNUM SHOPS.

The valuable bequest of Dr. Zenus Barnum has enabled us to give a most useful extension to the manual training of the school.

1. The printing office, which has been in operation for several years, has been considerably enlarged, so that now nineteen boys at a time can be taught to set up type and do press work. The school publishes a small four-page weekly paper, "The Week," all the work on which is done by the boys. Besides this they print the yearly report of the Trustees and the catalogue of the school, as well as some other things. "The Week," which was designed to be a means of training in the use of language, is filled mainly with the contributions of the scholars, and its regular editor and reporters are boys of the school.

2. The wood-working shop, which was opened in January, 1886, has been gradually extended so that during the session of 1889-90 a class of sixteen boys was kept at work. They were supplied with benches and a full set of hand tools for wood work. The time allotted to work was about nine hours per week. One afternoon was devoted to drawing, the others to work at the bench. The class was taken over a course in

wood work consisting of twenty-four lessons. When they had attained a reasonable degree of proficiency in these lessons they were made to apply them to the construction of various articles. In this way they constructed a number of benches, tables, desks, tool cupboards, pieces of apparatus for the laboratories, etc. The classes engaged in the Barnum shops have but little farm or garden work to do.

OTHER WORK.

In addition to the above, small jobs, such as cutting wood, cleaning up grounds, etc., are provided for more inexperienced boys, and also to give other means of working off demerits. Outside work is assigned as the penalty for minor offences, in place of the extra indoor tasks usually set in schools, or the extra tours of guard duty required in military academies.

All work is carefully estimated and paid for by good marks or "credits." A book is kept in which is entered to his credit, daily, all the work outside the school that a boy does. On the same book all the demerits are charged. The account is footed up weekly, or oftener when desirable, and shows the scholar's general standing for deportment. Sundry privileges and advantages are given to boys who keep their accounts on the credit side of the ledger.

DONATIONS.

The following gifts were made to the school in the course of the session:

Hon. J. F. C. Talbot.—Report of Interstate Commerce Commission, 1889; Report of Board of Control of State Agricultural Experimental Station at Amhert, 1889; Insect Life, December, 1889, January, February, March, 1890.

Hon. A. P. Gorman.—War of the Rebellion, series 1, part 1, vols. 26, 27; part 2, vols. 24, 27; part 3, vols. 24, 27; Messages and Documents of War Department, vol. 4.

Commissioner of Patents.—Patent Office Reports, vol. 50, nos. 1—3, 5—12; vol. 51, nos. 1—11: Alphabetical Lists of Patentees and Inventions, vols. 48, 49.

Chief of Engineers, U. S. A.—Annual Report of the Chief of Engineers, 1889, parts 1, 2, 3, 4; and Index from 1880–1887.

Commissioner of Education.—Report of Commissioner of Education 1887–88, 1890; Report of National Educational Association.

Gen. A. W. Greely.—Monthly Weather Bureau for Oct., Nov., Dec., 1889, and Jan., March, 1890.

Commissioners of Schools of New Orleans.—Plaster bust of John McDonogh.

Secretary S. F. Baird.—Bulletin of the U. S. Fish Commission, vol. 6.

Mr. John A. Finney.—Photographs of a cable railway driving plant.

Secretary R. G. Baird.—Report of Michigan Board of Agriculture.

Mr. H. L. Gantt.—Specimens of steel from Midvale Steel Works.

Mr. S. H. Tagart.—Universal Guide and Gazeteer of the World.

Hon. F. C. Latrobe.—Baltimore City Code, 1879.

Mr. J. G. Traylor.—Two Years in the Jungle.

EXAMINATION PAPERS.

In addition to special examinations in certain classes held at various times during the year, there are two general examinations for the whole school, one at the end of the first half session, the other at the end of the school year. The following are some of the examinations that were given in May, 1890 :

FIRST CLASS.

PHYSICS.

Electricity and Magnetism, Light and Sound.
Time, 3 *Hours.*

1. Explain by diagrams when two parallel electric currents attract and when they repel ; state law of angular currents ; draw a picture showing how a magnetic needle would act if carried over the earth from the north to the south magnetic pole ; explain what happens when a magnet is thrust into and pulled out of a coil of wire ; name the essential parts of a magnetic machine and explain the principle upon which it works. Draw a simple gold-leaf electroscope, and tell why the leaves spread out when influenced by an electrified body ; explain the electrophorus ; how is a Leyden jar made ? Describe the incandescent and arc electric lights; tell how to electroplate a spoon with silver.

2. Explain wave length, amplitude, node, antinode, pitch and quality of sound; state the difference between forced and sympathetic vibrations in wires; what is necessary in order that two musical notes may harmonize? Tell how to determine the pitch of a tuning-fork by means of a siren. Draw a cross section of a phonograph and tell how it works. How many and what classes are musical instruments divided into?

3. Draw a longitudinal section of the shadow cast by the earth. Show how the velocity of light may be determined by means of Jupiter's moons. Suppose you have given a concave mirror with object beyond the center of curvature, draw the image; draw the six lenses, divide them into two general classes, and tell why they may be so divided; you have given a double convex lense, object beyond the focus, draw the image. Draw a picture of a simple direct vision spectroscope. Draw a color disc with the colors so arranged that those placed diametrically opposite each other will produce white light; name the three primary colors; trace a ray of light through a prism. Draw a diagram of a stereopticon.

MATHEMATICS.

All of Bradbury's Elementary Geometry.
Time, 3 *Hours.*

1. From a point without to draw a line tangent to a given circle.

2. Prove formula for the convex surface of a sphere

3. The radius of a sphere is 10 inches. What volume will be cut off by a plane passing 5 inches from the center?

4. A cone, a hemisphere and a cylinder have the same base and altitude; find the ratios of their volumes.

5. The base, opposite angle and altitude given, to construct the triangle.

6. Divide a given line so that the sum of the squares of the parts shall be equivalent to a given square.

7. The base, the angle at the vertex and sum of the sides given, to construct the triangle.

8. Draw a circumference tanget to three given lines.

GERMAN.

Subject, William Tell. Ahn-Henn's Second German Reader and Ahn-Henn's Rudiments. Time, 2 Hours.

1. Translate: "Vor jedem Kreuze fallet hin und büsset mit heissen Reuethränen eure Schuld—und seid ihr glücklich durch die Schreckensstrasse, sendet der Berg nicht seine Windeswehen auf euch herab von dem beeisten Joch, so kommt ihr auf die Brücke, welche stäubet. Wenn sie nicht einbricht unter eurer Schuld, wenn ihr sie glücklich hinter euch gelassen, so reisst ein schwarzes Felsenthor sich auf, kein Tag

hat's noch erhellt—da geht ihr durch, es führt euch in ein heitres Thal der Freude. Doch schnellen Schritts müsst ihr vorüber eilen; ihr dürft nicht weilen, wo die Ruhe wohnt."

1. Translate: Slowly down the village, with his dog and his staff, comes the poor blind man.

2. Man is sometimes more generous when he has little money than when he has (it) plenty.

3. Henry Truepenny was seven years old when his parents sent him to school.

4. Henry's brother has lost the key to his room; he has sent for the locksmith.

5. Now, William, take your spade and pail and come with me into the garden

1. Translate: Dem Kaiser selbst versagten wir Gehorsam, da er das Recht zu Gunst der Pfaffen bog. Denn als die Leute von dem Gotteshaus einsiedeln uns die Alp in Anspruch nahmen, die wir beweidet seit der Väter zeit, der Abt herfürzog einen alten Brief, der ihm die herrenlose Wüste schenkte—denn unser Dasein hatte man verhehlt—da sprachen wir: "Erslichen ist der Brief! Kein Kaiser kann, was unser ist, verschenken; und wird uns Recht versagt vom Reich, wir können in unsern Bergen auch des Reichs entbehren."

SECOND CLASS.

PHYSIOLOGY.

All of Martin's Human Body, Elementary Course. Time, 3 hours.

1. What is the pericardium, and of what does it consist? Tell how many sets of blood vessels there are in the body. Describe the position of the heart and the course of the blood through the heart and the body. Explain the workings of the valves of the body and the beat of the heart. Tell what you know of the pulse, its cause, its rate. What are the differences between arteries, veins and capillaries?

2. What is meant by taking cold? Describe the sounds of the heart and their cause, and tell what use is made of these sounds in detecting diseases of the heart.. Make a drawing of the respiratory apparatus, and describe it fully. Explain the working of the lungs and the expansion of the chest. State the object of respiration, and tell why ventilation is necessary.

3. What are the wastes of the body, and how are they removed? Explain how they are injurious to the body. Make a diagram of the renal organs, and tell how urea and water are separated from the blood. State what glands open on the skin and what office each performs.

4. Describe a spinal nerve. Of what parts does the brain consist? Tell the function of as many as you know. Tell what you mean by reflex, automatic, conscious and nervous centres, and give examples of each. Describe the eye, and make a diagram showing its parts. Explain the structure of the eye, of long sight, short sight and ordinary sight.

HISTORY.

Barnes' and Scudder's Histories of the United States. Time, 2 hours.

1. Give the history of the Missouri Compromise and the Nullification Acts of South Carolina. State in brief terms the outcome of each.

2. Give the causes of the Mexican War. Give causes of Civil War—the results of each war. Give the history of the crises of 1837; state the causes and the results of the same.

SHORTHAND.

Benn Pitmann's Manual of Phonography and Reporter's Companion.

Each member of the class was required to write down in shorthand and afterwards transcribe a dictation exercise occupying about one hour. The papers were marked on the faithfulness with which the dictation was reproduced, on the spelling, punctuation and general apppearance of the work.

THIRD CLASS.

ARITHMETIC.

From Involution and Evolution to Ratio and Proportion. Time, 3 hours.

1. Extract the square root of 3247204.

2. Extract the square root of .00099225.

3. What is the length of the side of a square field containing one acre? Answer in feet and decimals of a foot.

4. Two boys start from the same point, and one walks 96 miles due north, and the other 72 miles due east. How far apart are they then?

5. If a ladder 35 feet long is placed 21 feet from the foot of a tree, how high up the tree will it reach?

6. What distance do I save by walking straight across from one corner of a plantation a mile square to the opposite corner, instead of following the two sides? Answer in rods, 3 places of decimals.

7. Find the side of a square field as large as all four of the following fields: one 5 rd. square, one 12 rd. square, one 84 rd. square, and one 3612 rd. square.

8. A stockholder received $225 as a dividend upon 50 shares of canal stock. What was the rate per cent. of dividend?

9. A speculator sold, through a broker, 74 shares of canal stock, and received $6336.25 as the net proceeds of the sale. At what quotation was the stock sold, the rate of brokerage being $\frac{1}{4}$ per cent.?

10. What number of shares of canal stock at $24\frac{3}{4}$ per cent. discount can be bought for $8478.75, allowing $\frac{1}{8}$ per cent. for brokerage?

11. A broker bought 84 shares of coal stock at $108\frac{1}{4}$, received a dividend of $5\frac{1}{2}$ per cent., and then sold the stock for 106. How much did he gain?

12. A speculator bought 150 shares of 4 per cent. stocks at a price that paid him 5 per cent. on his investment, and sold the same to a broker at a profit of 10 per cent. on the cost. How much did the broker pay for the stock?

13. Six per cent. stock can be bought at $97\frac{7}{8}$, and brokerage $\frac{1}{8}$ per cent. additional. What per cent. on the investment does it yield?

14. I bought U. S. 4 per cent. bonds at $118\frac{7}{8}$, brokerage $\frac{1}{8}$ per cent. additional, and derived from the purchase a quarterly income of $300. How much did I invest?

15. A gentleman bought railroad stock at $1\frac{3}{8}$ per cent. discount, and sold the same at $7\frac{5}{8}$ per cent. premium, netting a gain of $425. How many shares did he buy, brokerage each way being $\frac{1}{8}$ per cent.?

16. If 24 men can do a piece of work in 9 days, how long will it take 18 men to do it?

17. A tap discharging 4 gallons a minute, empties a cistern in three minutes. How long will it take a tap discharging 7 gallons a minute to empty it?

18. If $\frac{3}{2\,5}$ of a ship is worth $2167, what is the value of $\frac{7}{1\,7}$ of it?

19. If 250 men can dig a ditch 48 rods long, $2\frac{1}{2}$ feet wide, and $3\frac{1}{2}$ feet deep, and 5 degrees of hardness, in 8 days of ten hours each, in how many days could 40 men dig a ditch 341 yards long, $3\frac{1}{2}$ feet wide, 4 feet deep, and 1 degree of hardness, allowing 8 hours to a day?

20. How far can A, who steps 3 1 feet each step, run while B, who steps 2 3 feet each step, runs 220 yards, if A takes 7 steps while B takes 11.

BOTANY.

Gray's How Plants Grow, with analysis of thirty flowers, and class instruction in cross fertilization and elementary histological botany.

Each member of the class was required to analyze specimens of Myosotis and Veronica, tracing each plant down to its genus.

GERMAN.

One hundred and fifty exercises in Ahn-Henn's German series, and ninety pages in Ahn-Henn's German Reader. Time, 2 hours.

1. Translate: Robert Bruce, der ritterliche König von Schottland, war durch die langen Kämpfe, in denen er sein Reich gegen die Erobrungssucht der Engländer zu vertheidigen hatte, endlich so erschöpft, dass er, aller weiteren Hülfe bar, mit wenigen getreuen nach der entlegenen Nordküste flüchtete. In einer elenden Fischerhütte brütete hier der tapfere Mann Monate lang, und schon triumphirten die Engländer über den Tod des Helden von Schottland. Bruce aber sann Tag und Nacht, wie und wo er den Kampf erneuern könne. Umsonst! Es schien ihm keine andere Rettung geblieben, als Flucht oder Ergebung.

2. Translate: We use a pound of sugar a week. The weather is very favorable to the crops. What does the boy say to his parents? The lion is called the king of (the) animals, the eagle the king of (the) birds. The shape of these forks is very pretty.

Translate: Vorige Woche ging ich mit meiner Flinte auf die Entenjagd. Auf dem Heimwege—die Sonne stand schon am Rande der Berge—sah ich einen Bären von ungewöhnlicher Grösse ganz wohlgemuth vor mir her traben. Ich hatte noch einen Schuss in meiner Flinte, und da die Entfernung nicht gross war, feuerte ich auf den Bären. Dieser stürzte zu Boden, allein im

nöchsten Augenblick war er wieder auf den Beinen und lief spornstreichs einer Bergschlucht zu, die sein gewöhnlicher Aufenthalt zu sein schien. Es war jetzt zu spät, ihn dahin zu verfolgen. Ich dachte aber: du wirst mir nicht entgehen. Eine gute Lection hast du schon, und morgen ist auch ein Tag.

FOURTH CLASS.

GEOGRAPHY.

All of Appleton's Higher Geography, with exercises in map drawing. Time, 5 hours.

1. What is the form of the Earth? Who first circumnavigated it? What is the length of the circumference of the earth? Define latitude and longitude. Their use. Represented on a map how? What is the latitude of a place just midway between the equator and the north pole? If two persons started from Greenwich and traveled exactly the same distance, one due east and the other due west, on what meridian would they meet? Why is a region within the arctic zone colder than one within the tropics? What is the north and south limit of the sun when its rays are vertical?

2. Name the races of man, and tell where they chiefly dwell. Name the political divisions of North America. Bound United States. Locate Washington, New York, Philadelphia, Boston, Baltimore, Chicago, St. Louis, New Orleans, San Francisco, Mobile.

3. Name the mountains of the United States. What is the largest river system of our country? Name its principal tributaries. Describe the St. Lawrence river. Name the political divisions of North America, and tell of the government of each. Name provinces of Canada and their capitals. Tell where cotton, sugar cane, wheat, corn, and tobacco are raised.

4. Bound South America. Name its states and capitals. Equator passes through what countries? Name two volcanoes of South America. Describe the two largest rivers of South America. This continent was discovered by whom, when, and where? Prevailing religion of the people? What capital is in about the same longitude as Washington?

5. Bound Europe, name its political divisions, and tell the government of each. Name six of its largest seas. Its mountains. Its three principal rivers are? Name six islands in the Mediterranean sea and tell to what country each belongs.

6. Locate Sebastopol, Belfast, Portsmouth, Liverpool, Glasgow. Name three products manufactured chiefly in France. Rome and Florence are where and are famed for what?

7. Where is Asia? For what distinguished? Its rank? Name four of its chief political divisions. What religion prevails among the people? In what part of Asia does the longest day in mid-summer exceed twenty-four hours?

8. Describe the Brahmapootra, Ganges, and Irawaddy. Locate the Taurus mountains, and mounts Sanai, Ararat, and Everest. Where is cape Cambodia, and cape Comorin? Why is central Africa desert?

9. What countries of Africa are crossed by the equator? Name the Barbary States and their capitals. The loftiest plateau is what and where? Name the mountains of Africa. Name two of its deserts. Describe the Nile, and Zambesi.

ENGLISH.

All of Knox-Heath's Parts of Speech and How to Use Them. Time, 2 Hours.

1. Mention every noun or pronoun used in these sentences, and tell for what it is used, in what case it is, and the form to be used in that case. 1. She left him all her property. 2. Learning, that cobweb of the brain, made him dull. 3. Full many a gem of purest ray serene, the dark unfathomed caves of ocean bear. 4. Sweet Desdemona! If she would only speak! 5. Pocahontas, the daughter of Powhatan, saved the life of Captain John Smith, him who was the founder of the colony at Jamestown.

2. Name six kinds of nouns and give an example of each. Name four kinds of pronouns and give an example of each. A verb may express what? According to their work, verbs may be classified how?

3. Correct any mistakes that may be seen in the following, and tell why you make the correction. 1. One of the three boys were killed. 2. You, they or I are going. 3. Mumps are a bad disease; I had them long ago.

4. Write a composition of not less than one hundred and fifty words.

SPELLING.

Each member of the class was required to write down the following from dictation, and the papers were marked on the spelling, punctuation and neatness of the work.

It is impossible to contemplate the wonderful properties of the atmosphere without a feeling of profound amazement. Whether we regard it as the grand medium of water circulation, through which rivers of vapor lifted from the oceans are carried landward, to be condensed and channel their way back again to the sea; or as the scene of tumultuous storms, generating the lightning within its bosom, and taking voice in the reverberating thunders; whether as hanging the landscapes with gorgeous cloud pictures, or as the vehicle through which all beauty and melody and all fragrance are conveyed to the portals of sense—it is alike strange and interesting. But when we glance at its deeper mysteries, those intimate relations to life which have been disclosed to modern science; when

we consider that the vegetable kingdom not only has the same chemical composition as the air, but in its mass is directly derived from it; that the whole architecture and physiology of trees, shrubs and plants are conformed to atmospheric nutrition, so that in literal truth the forests are but embodied and solidified air—the subject rises to a still higher interest. And yet more startling is the surprise when we recollect not only that the materials of our own bodily structures, derived from vegetation, have the same atmospheric origin, but that active life and all the powers and susceptibilities of our earthly being are only maintained by the air which we inhale incessantly, day and night, from birth to death.

FIFTH CLASS.

ARITHMETIC.

Through Percentage. Time, 3 hours.

1. How many times can 4 baskets, holding respectively $3\frac{1}{3}$, $2\frac{1}{3}$, $1\frac{2}{3}$ and $2\frac{3}{4}$ pecks, be filled from a pile containing 50 pecks of potatoes?

2. There are two tanks, the first holding $62\frac{2}{3}$ gallons and the second $49\frac{2}{3}$ gallons. From the first tank 36 gallons were taken and the rest was then poured into the second tank; how many gallons were then in the second tank?

3. Multiply $3666\frac{2}{3}$ yr. by $178\frac{3}{4}$.

4. Find the cost of 48.625 cords of wood at $7.06\frac{1}{4}$ per cord.

5. Divide 35925.12 yd. by .0056 rd.

6. I bought 50 yd. cloth at $\$1\frac{1}{4}$ per yard, 92 yd. at \$3.25, and 153 yd. at $\$66\frac{2}{3}$. I gave in part payment 250 yd. cotton at $\$.12\frac{1}{2}$ per yard, and 350 yd. of jeans at $37\frac{1}{2}$ cents. How many yards of cottonades at $12\frac{1}{2}$ cents will settle the bill?

7. How many pounds of gold will a miner dig in a common year if he averages 6 pwt. a day?

8. Reduce the following to miles and add the results: 8800 yd., 60720 ft., 408 rd.

9. I bought 12 acres of land at \$200 an acre and sold it at 8 cents a square foot; how much did I gain?

10. Find the time from June 7, 1853, to March 11, 1881.

11. Find the exact number of days from July 15, 1883, to April 9, 1884.

12. A horse is given 5 qt. and 1 pt. of oats three times a day; how many days will 7 bu. 2 pk. 7 qt. 1 pt. last him?

13. What common fraction of a pound is 4 oz. 18 pwt. 8 gr.?

14. Divide $1\frac{5}{8}$ by 7 and express the answer in integers.

15. A street $\frac{1}{4}$ mile long and 40 ft. wide was paved at a cost of 25 cents per square foot; find the total cost.

16. How many cords of wood in a pile 12 ft. by 12 ft. by 8 ft.?

17. Find the cost of three boards each $\frac{3}{4}$ in. thick, 18 ft. long and 14 in. wide, at $24 per thousand.

18. What is $1\frac{1}{3}$ per cent. of £1050?

19. The population of a certain city is 18775; what will it be in one year from this time if it increases 8 per cent.?

20. I sold a horse for $225, which was $112\frac{1}{2}$ per cent. of what I paid for him; what did I pay for him?

ENGLISH.

Class Exercises in English Composition.
Time, $2\frac{1}{2}$ hours.

1. Write a composition of over one hundred words in length. Subject, Decoration Day.

2. A dictation exercise of about two hundred and fifty words was given to the class. This they were required to write carefully, giving special attention to punctuation, capitalizing and spelling.

SIXTH CLASS.

GEOGRAPHY.

All of Appleton's Elementary Geography, with exercises in Map Drawing. Time, 3 hours.

1. Under what kind of government do you live? Tell the name of your country, its capital, its location, its chief officer. The laws are made by whom? Tell the name of your State, its capital, its chief officer. Tell the name of your city and its chief officer.

2. What is a watershed? Name two in the United States. Arrange in tabular form the States bordering on the Atlantic, and tell the capital and abbreviation of each.

3. How old is your country? Who discovered it? When? Where did the Pilgrims come from? Where did they land? Name the six largest cities of the Middle Atlantic States.

4. Mention five products of the Southern States. What States embrace the great corn and wheat sections of the country? Locate Ottawa, San Francisco, Mobile, Halifax.

5. Where are the Andes mountains? What countries do these cross along the Pacific coast? Describe the Amazon. Island at mouth. Crosses what country? Two products of this country, and capital.

6. Bound Europe. Name a river of Russia that flows into the Arctic ocean. The ruler of Russia is called what? Of Switzerland; of Germany; of France; of England? Tell the capitals of those countries.

7. Name two Italian cities famed for art. Name two products of France and Italy. Describe the largest river of Europe.

8. Country south of Europe? Separated from Europe by what? The oldest civilized country there; capital? In what work has Mr. H. M. Stanley been engaged?

SPELLING.

First Half of Harrington's Spelling Book, and Class Exercises in Dictation. Time, 2 Hours.

Each member of the class was required to write down the following from dictation, and the papers were marked on the spelling, punctuation, and neatness of the work:

The Roman catacombs consist, for the most part, of an underground network of passages cut through the soft volcanic rock, so narrow as rarely to admit of two persons walking abreast easily, but here and there, on either side, opening into chambers of varying size and form. The walls of the passages, through their whole extent, are lined with narrow excavations, one above the other, large enough to admit of a body being placed in each; and, where they remain in their original con-

dition, the excavations are closed in front by slabs of marble cemented to the rock, and in most places bearing an inscription. Nor is the labyrinth composed of passages upon a single level only. Frequently there are several stories, connected with each other by sloping ways. There is no single circumstance in relation to the catacombs of more striking, and at first sight perplexing, character than their vast extent. About twenty catacombs are now known, and are more or less open, and a year is now hardly likely to pass without the discovery of a new one ; for the original number of underground cemeteries, as ascertained from the early authorities, was nearly if not quite three times this number.

CATALOGUE OF ALUMNI.

INSTRUCTORS.

W. Allan, M. A., LL. D. Principal. Appointed July, 1873. Died September 17, 1889.

D. C. Lyle, M. A. Appointed November, 1873. Appointed Principal October 21, 1889.

J. Kruttschnitt, B. S , C. E. Appointed November, 1873. Resigned June, 1878. General manager of the Atlantic system of the Southern Pacific Railroad Company, Houston, Texas.

A. C. H. Russell. Appointed July, 1874. Resigned August, 1877. M. D., University of Virginia, 1878. Assistant Surgeon U. S. Navy, 1879. Passed Assistant Surgeon U. S. Navy, 1882. On duty at U. S. Naval Hospital, Yokohama, Japan.

S. T. Moreland, C. E., M. A. Appointed August, 1876. Resigned August, 1880. Professor of Physics in Washington and Lee University, Lexington, Va.

D. C. Humphreys, C. E. Appointed August, 1878. Resigned April, 1879. Professor of Applied Mathematics, Washington and Lee University, Lexington, Va.

Wm. I. Jones. Appointed August, 1877. Resigned August, 1879. Traveling agent for D. Lawrence Shaw, dealer in spices and baking powders, New York City.

H. Lee Sellers, M. A. Appointed April, 1879. Resigned July, 1881. Principal of the Ball High School, Galveston, Texas. Resigned April, 1890.

H. L. Gantt, A. B. Appointed August, 1880. Resigned August, 1883, M. E., Stevens Institute of Technology, June, 1884. Reappointed June, 1886. Resigned July, 1887. Member of American Society of Mechanical Engineers, 1888. Superintendent of casting department, Midvale Steel Works, Nicetown, Philadelphia.

John Hemsley Johnson, A. B. Appointed August, 1881. Resigned August, 1886. B. L., University of Maryland, 1887. Lawyer, 207 N. Calvert street, Baltimore, and Editor of the *Civil Service Reformer*.

Charles H. Sumwalt. Appointed August, 1881. Resigned July, 1889. With A. H. Sibley, merchant and planing mills, Pratt and Fremont streets, Baltimore. Reappointed November, 1889.

Wm. J. Witzenbacher, A. B. Appointed August, 1883. Resigned July, 1886. Admitted to the bar of Washington county, Maryland, November, 1886. Lawyer, Hagerstown, Md.

Solon Arnold, U. S. N. Appointed August, 1885. Resigned June, 1886. Assistant Engineer, U. S. Navy, on Cruiser Baltimore.

Theodore Hough, A. B. Appointed June, 1886. Resigned August, 1889. Graduate student at Johns Hopkins University, Baltimore.

William F. Smith, A. B. Appointed July, 1886. Resigned August, 1887. M. D., College of Physicians and Surgeons, Baltimore, 1889. Resident Physician, City Hospital, Baltimore.

Wm. Ballard Smith, C. E., M. A. Appointed July, 1887.

Schuyler B. Moon, A. B., C. E. Appointed August, 1887.

James Q. Chambers, A. B. Appointed July, 1889. Resigned July, 1890.

Herbert Noble, A. B. Appointed July, 1889. Resigned July, 1890.

THE ALUMNI ASSOCIATION.

This Association is composed of the Alumni of the school. Any student may become a member on completing his course at the school by sending his name to the Secretary. The annual meeting of the society is held on the 4th of July at McDonogh, and the members have a reunion in Baltimore on the second Friday in December.

At the last annual meeting, July 4, 1890, the following officers were elected for the year 1890–91 :

President..... CHARLES D. LANIER.
Vice President... WILLIAM L. STRAUGHN.
Secretary ..... NORMAN ELMO STUBBS.

At the same time Mr. CHARLES H. SUMWALT, of the class of 1881, was elected to deliver the annual address at the meeting at McDonogh on the 4th of July, 1891.

THE ALUMNI.

1874.

Baker, George Franklin. January, 1873—June, 1874. Foreman of the book bindery of F. W. Kock & Co., 13 West Baltimore street, Baltimore.

Carlisle, Edward Grafton. November, 1873—June, 1874. Driver for the Merchants' Parcel Delivery Company, Baltimore.

Scrimger, Harold Bruce. December, 1873—July, 1874, Law bookseller and publisher, 126 East Fayette street, Baltimore.

1875.

Adreon, Christopher Columbus. November, 1873—June, 1875. D. D. S., 1884. Member Maryland Dental Society, 1884. Dentist, 1128 Pennsylvania avenue, Baltimore.

Baker, John Lee. November, 1873—February, 1875. House painter, 2618 L street, N. W., Washington, D. C.

Clark, George Beauregard. December, 1873—February, 1875. Farmer.

Cochrane, Charles Edward. November, 1873—August, 1875. Chief clerk for foreign business, Northern Central Railway, Pier 3, Canton, Baltimore.

Criss, Lloyd Parks. December, 1873—February, 1875. In business in Texas.

Jarrett, Henry Millington. November, 1873—July, 1875. Real estate agent. Assistant city editor of the Boston *Daily Globe*, Boston, Mass.

Judson, Edward Stoubt. February, 1875—June, 1875. Commission merchant, Los Angeles, Cal.

McDuffie, Archibald Fitzhugh. February, 1874—February, 1875. Removed to Florida.

Mealy, Alfred Eugene. November, 1873—January, 1875. Shipping clerk for Gilbert Bros. & Co., manufacturing and wholesale druggists, 110 South Howard street, Baltimore.

Person, Samuel Jones. January, 1874—June, 1875. Lawyer.

Rourke, William. January, 1874—June, 1875. With the Rowland Plow Company, 822 South Howard street, Baltimore.

Smith, Franklin. November, 1873—July, 1875. Pattern maker, Philadelphia.

Stewart, William Francis. January, 1874—May, 1875. Manager of a line of stage coaches in California.

Stocksdale, Jacob Pappler. November, 1873—July, 1875. Wholesale lumber merchant, 78 and 80 Wall street, New York, and 413 Walnut street, Philadelphia.

Taliaferro, Gawin Corbin. December, 1873—February, 1875. Soldier in the United States Army, in the West.

1876.

Barton, Lewis Philip. January, 1874—May, 1876. Conductor on the Chicago, St. Louis and Pittsburg Railroad, Indianapolis, Ind.

Burgan, Charles Edward. July, 1874—May, 1876. Clerk for the U. S. Express Company, Treasury Building, Washington, D. C.

Cutino, Andrew Vincent. November, 1873—July, 1876. Salesman for H. W. Webb & Sons, 120 East Pratt street, Baltimore.

Emerein, Adolphus. July, 1874 — August, 1876. Farmer, near Janesville, Wis.

Finney, John Alphonso. March, 1874—July, 1876. Honorary scholar 1875–76. Order clerk for the Robert Poole & Son Company, iron founders and machinists, Woodberry, Baltimore.

Haney, Charles Knowles. January, 1874—December, 1876. Honorary scholar 1876–77.

Hook, Richard Franklin. November, 1873—July, 1876. Honorary scholar 1875–76. Civil engineer, engaged on the Harford Run improvement, Baltimore.

Hynson, Percy Ringgold. January, 1874—October, 1876. Member of the firm of England & Hynson, commission merchants, 328 North street, Baltimore.

Mealy, James Nelson. December, 1873—July, 1876. Honorary scholar 1875–76. Merchant and farmer, Newville, Braxton county, W. Va.

Medairy, John Summerfield. November, 1873—May, 1876. Depot manager U. S. Express Company, Barre and Howard streets, Baltimore.

Nullett, George. January, 1874—May, 1876. Way-bill clerk U. S. Express Company, Barre and Howard streets, Baltimore.

Smith, Horace Lawrence. November, 1873—May, 1876. Honorary scholar 1875-76. Dealer in coffee and molasses, Commerce street and Exchange Place, Baltimore.

Straughn, William Lawrence. July, 1874—September, 1876. Honorary scholar 1876-77. In the office of auditor of revenue, Baltimore and Ohio Railroad, Calvert and Baltimore streets, Baltimore.

Underwood, Harry. November, 1873—July, 1876. Machinist, with Bartlett, Hayward & Co., iron founders and machinists, Scott and Pratt streets, Baltimore.

Vogt, George Warner. November, 1873-August, 1876. Died 1887.

Willis, Hervey. January, 1874—May, 1876. Died 1880, aged 21.

1877.

Bond, George Lednum. November, 1873—May, 1877. Shipping clerk for the Patapsco Baking Powder Company, 402 South Eutaw street, Baltimore.

Dawson, Charles Francis. November, 1873—May, 1877. Janitor of the Biological Laboratory of the Johns Hopkins University, Baltimore.

Dunn, James William. August, 1874—August, 1877. Artist and photographer, Aisquith street, near Boundary avenue, Baltimore.

Gibbons, Francis Marion. October, 1876—July, 1877. Member of the Primrose Quartette of professional singers. 1205 Jackson street, Baltimore.

Gilmyer, William. June, 1875—May, 1877. Blacksmith.

Harding, Charles Howard. February, 1874—January, 1877. Dry goods broker, Baltimore.

Harding, William Henry. November, 1873—January, 1877. With the Fort Wayne-Janney Electric Company, of Chicago, Illinois, and Secretary of the National Electric Light Association.

Jones, William Irving. November, 1873—July, 1877. Honorary scholar, 1876–77. Teacher on McDonogh Farm, 1878–79. Instructor in music in McDonogh School, 1877–79. Traveling agent for D. Lawrence Shaw, dealer in spices and baking powders, 74 Warren street, New York.

King, John Clinton Foulk. December, 1873—March, 1877. Clerk in the office of the auditor of revenue of the Baltimore and Ohio Railroad. Died February 19, 1890, aged 29 years.

Kolb, William Albert. June, 1875—May, 1877. Member of Association of Chesapeake Bay Pilots. Died February 1, 1888, aged 26 years.

Medairy, Charles Marshall. December, 1873—February, 1877. Treasury accountant of the U. S. Express Company, Treasury Building, Washington, D. C.

Nicols, Jeremiah Dorsey. January, 1874—August, 1877. Honorary scholar, 1876–77. Salesman with Hodges Brothers, 23 Hanover street, Baltimore. Died October 29, 1888, aged 28.

Pollitt, Frank Alexander. November, 1873—August, 1877. Book-keeper for King, O'Connor & Co., hardware commission merchants, 11 West German street, Baltimore.

Wilson, William Hiland. August, 1875—July, 1877. Manager of a traveling theatrical exhibition.

1878.

Bieler, Alphonsos Henry. July, 1874—August, 1878. Architect, 1102 McCulloh street, Baltimore.

Brooks, Joseph Dixon. December, 1874—August, 1878. Honorary scholar, 1877–78. Admitted to the bar of Carroll county, Md., May, 1885. Lawyer, City Hotel Building, Westminster, Md.

Canby, Harry Lee. September, 1876—July, 1878. Barber, Baltimore.

Edwards, Americus. November, 1873—August, 1878. Honorary scholar, 1877–78. Teacher on McDonogh farm, 1879–80. Corresponding clerk for the Robert Poole & Son Company, iron founders and machinists, Woodberry, Baltimore.

Gantt, Harry Laurence. November, 1873—August, 1878. Honorary scholar, 1877–78. A. B., Johns Hopkins University, June, 1880. Teacher at McDonogh School, 1880–83, 1886–87. M. E., Stevens Institute of Technology, June, 1884. Member American Society of Mechanical Engineers, 1888. Superintendent of the casting department of the Midvale Steel Works, Nicetown, Philadelphia, Pa.

Garrett, Frank Lee. January, 1874 — July, 1878. Teacher and orange planter, near Wild Wood, Sumter county, Florida.

Nevins, William Wilberforce. August, 1875 — July, 1878.

Poet, Harry Benson. November, 1873—August, 1878. Clerk of the axle shops, Mount Clare Works, Baltimore and Ohio Railroad, Baltimore.

Richards, Arthur Orlando. July, 1876—August, 1878. Of the firm of Richards Brothers, cattle raisers, Butte City, Montana.

Russell, John William. March, 1875 — July, 1878. Brakeman on the Southern Pacific Railway, El Paso, Texas.

Smith, Rush. November, 1873—July, 1878. With U. S. Express Company, Barre and Howard streets, Baltimore.

Traylor, James Geddy. February, 1875—August, 1878. Stenographer to the Smithsonian Institution and to the National Zoological Park, Washington, D. C.

Wigart, Pliny Earl. August, 1877—July, 1878. Senior of the firm of Wigart & Hooper, boots and shoes, 420 East Baltimore street, Baltimore.

Young, Charles Selden. November, 1873—July, 1878. Honorary scholar 1877-78. Civil engineer, with Jamaica Improvement Company, Jamaica, West Indies.

1879.

Adams, Walter Scott. March, 1875—August, 1879. With the Boyden Brake Co., Baltimore.

Bremer, Harry Cooper. June, 1875—October, 1879. Clerk for Matthai, Ingram & Co., dealers in tinware, 120 Hanover street, Baltimore.

Crane, Arthur Bathurst. July, 1876—June, 1879. Lawyer. U. S. Signal Officer in charge of the signal station at Brownsville, Texas. Captain of the Brownsville Rifle Company.

Glascock, Eustace Straughn. January, 1875—August, 1879. Graduate of the United States Naval Academy, Annapolis, 1883. Teacher, Athens, Henderson county, Texas.

Haynes, Austin Baldwin. September, 1876—July, 1879.

Johnson, John Hemsley. November, 1873—August, 1879. Honorary scholar, 1878-79. A. B., Johns Hopkins University, 1881. Teacher at McDonogh School, 1881-86. B. L., University of Maryland, 1887. Lawyer, 207 North Calvert street, Baltimore, and Editor of the *Civil Service Reformer*.

Lindsley, William Lawson. March, 1875—July, 1879. B. L., National University, Washington, D. C., 1885. With the St. Paul Foundry Company, St. Paul, Minn.

Lusby, Louis Edward. April, 1877—June, 1879. In a wholesale drug house, Walnut street, above Seventeenth, Philadelphia.

Marriott, James Curley. October, 1876—October, 1879. Stenographer, with City Solicitor, 207 St. Paul street, Baltimore.

McGall, David Gamble. July, 1877—November, 1879. Driver for the Adams Express Company, Baltimore.

Rogers, Grafton Lloyd. August, 1875—August, 1879. Honorary scholar 1878–79. B. L., University of Maryland, 1887. Lawyer. Member of the firm of Henry W. Rogers & Co., real estate agents, 1 East Lexington street, Baltimore.

Titchner, James. August, 1877—1879. With Wm. A. Tottle & Co., woodenware, 118 Hanover street, Baltimore.

Williams, George Franklin. March, 1877—June, 1879.

1880.

Betts, William Bailie. August, 1876—July, 1880. City order clerk for Sharp & Dohme, chemists and druggists, Pratt and Howard streets, Baltimore.

Brundidge, Edward Parish. July, 1876—May, 1880. Wholesale and retail tobacconist, 54 West Main street, Westminster, Md.

Cole, Doyens Ballard. July, 1879—July, 1880. In New York.

De Witt, Robert Lee. June, 1875—August, 1880. Honorary scholar 1879–80. Member of the firm of Barnes & Co., corks and glassware, 417 Exchange place, Baltimore.

Evans, Walter Mead. June, 1877—July, 1880. Moulder.

Fairbank, William Prescott. January, 1877—August, 1880. Honorary scholar 1879–80. Grocer, 239 Laurens street, Baltimore.

Fales, Charles Eshbaugh. January, 1877—June, 1880. Weigher.

Fardwell, Harry Ringgold. February, 1875—June, 1880. County Surveyor of Buchanan county, Mo. Office, St. Joseph, Mo.

Morris, John Edward. July, 1876—June, 1880. With Mann & Co., solicitors of patents, 302 East Baltimore street, Baltimore.

Riley, John William. September, 1876—June, 1880. Photographer and dealer in picture frames, 8 North Stricker street, Baltimore.

Roberts, Howland. December, 1879—July, 1880. Brass finisher, with Regester & Sons, Holliday and Saratoga streets, Baltimore.

Simonds, James Montgomery. July, 1879—August, 1880. Assistant foreman of the press room of Isaac Friedenwald, printer, corner Paca street and Cider alley, Baltimore.

Wagner, Charles Flemming. August, 1878—December, 1880. Bricklayer, 703 Gold street, Baltimore.

Wilkinson, Allen Byron. August, 1876—July, 1880. Book-keeper for Hodges Brothers, 23 Hanover street, Baltimore.

1881.

Bourne, Thomas. November, 1876—June, 1881. Shipping clerk with Bagby & Rivers, manufacturers of furniture, 628 West Pratt street, Baltimore.

Briesen, Robert. July, 1878—June, 1881. Secretary for the Guilford and Waltersville Granite Company, 1416 North Charles street, Baltimore.

Brundige, John Price. July, 1878—July, 1881. Book-keeper in a bank in Birmingham, Ala.

Burgess, George Lewis. June, 1877—June, 1881. Honorary scholar 1880–81. Brass finisher, with Wright & Colwell, manufacturers of plumbers' supplies, 13 East Lee street, Baltimore.

Chenowith, Richard. August, 1878—July, 1881. With A. S. Barnes & Co., publishers, 111 William street, New York.

Griffith, Alfred Crabb. January, 1877—August, 1881. Honorary scholar 1880–81. Clerk in the office of the auditor of revenue of the Baltimore and Ohio Railroad, corner Calvert and Baltimore streets, Baltimore.

Hinton, Presley Lewellyn. July, 1879—February, 1881.

Johnson, William Broadbent. August, 1879—July, 1881. Reporter for the Baltimore *Sun*.

Milburn, Robert Frederick. June, 1877—June, 1881. Collector for Baltimore Manufacturnig Company, Baltimore.

Miller, George Winchester. June, 1877—November, 1881. Book-keeper for Marshall, Field & Co., wholesale dry goods, Chicago, Ill.

Netre, Edward. February, 1875—June, 1881. Book-keeper for C. P. Blackburn & Co., grain merchants, 2037 Commerce street, Baltimore.

Norris, Lloyd Matson. August, 1878—January, 1881. Music teacher, 400 North Fremont street, Baltimore.

Riach, William. June, 1875—June, 1881. With A. Booth Packing Company, Chicago.

Sanderson, Harry Schley. August, 1877—August, 1881. With the Classic Publishing Company, 26 University place, New York.

Sumwalt, Charles Hamlin, August, 1876—August, 1881. Honorary scholar 1880–81. Teacher at McDonogh School.

Thompson, Francis DeValangin. July, 1878—July, 1881. Clerk at the freight office of the Northern Central Railway Company, Calvert Station, Baltimore.

Van Hollen, George Henry. August, 1876—June, 1881. With G. M. Roberts & Co., commission merchants, Bowly's wharf, Baltimore.

1882.

Anderson, John William. August, 1881—June, 1882.

Anschutz, Frank Hamilton. August, 1878—August, 1882. Honorary scholar 1881–82. Engineer, assistant to Prof. D. C. Humphreys, Lexington, Va.

Baldwin, Benjamin Franklin. August, 1879—August, 1882. Merchant in Dublin, Pulaski county, Va.

Billingsley, Thomas Russell. August, 1881—July, 1882. Printer, with Patapsco Printing Company, Exchange place, Baltimore.

Chabot, William Hinson. August, 1878—August, 1882. Honorary scholar 1881–82. Civil engineer in the province of Entre Rios, Argentine Republic, South America.

Chandler, Archibald Louis. July, 1879—July, 1882. With the Baltimore Turf Exchange, 209 East Fayette street, Baltimore.

Collier, Charles Ashby. July, 1878—July, 1882. Honorary scholar 1881–82. Clerk in the Nicoleet Hotel, Lake Minnetonka, Minn.

De Witt, William Russell. August, 1877—August, 1882. Honorary scholar 1881–82. Student at Johns Hopkins University 1882–84. Civil engineer, with Jamaica Improvement Company, Jamaica, West Indies.

Dorsey, Thomas Henry. July, 1878—June, 1882. Printer, *American* office, Baltimore.

Kersey, John David. July, 1878—June, 1882. Plumber and gas-fitter, with Hagger & Bennett, 609 north Fremont street, Baltimore.

1883.

Atwood, Albert Hammond. August, 1876—July, 1883. Honorary scholar 1882–83. Manifest clerk for the Northern Central Railway Company, Calvert Station, Baltimore.

Brown, George Russell. July, 1880—August, 1883. Delivery clerk for the New York and Baltimore Transportation Line, 3 Light Street wharf, Baltimore.

Fairbank, David Church. July, 1879—August, 1883. Conductor for the York Road Railway Company, Baltimore.

McColm, Robert Lewis. August, 1880—January, 1883. Carpenter and stair builder, Baltimore.

Middlekauff, William Emanuel. August, 1880—June, 1883. With Wilson, Frank & Horner, straw goods manufacturers, 206 north Liberty street, Baltimore.

Miller, William Elliott. August, 1879—August, 1883. Collector for the Cochran-Oler Ice Company, Baltimore.

Richard, Augustus Claude. August, 1880—July, 1883. With E. Levering & Co., coffee merchants, Rio Janeiro, Brazil.

Riston, James Preston. August, 1878—August, 1883. Honorary scholar 1882–83. Clerk in the auditing department of the Baltimore & Ohio Railroad, Calvert and Baltimore streets.

1884.

Black, Samuel Sutton. July, 1880—October, 1884. Died October 16, 1884, aged 16.

Chase, William Floyd. July, 1880—June, 1884. Honorary scholar 1883–84. Salesman for Henry Bishop, 806 east Baltimore street, Baltimore.

Crook, Henry Wallis. August, 1880—July, 1884. Farmer, near Hood's Mill, Howard county, Md.

Ditman, Nelson Gibson. August, 1881—July, 1884. Traveling agent for C. F. Eareckson & Co., 221 South street, Baltimore.

Jones, Russell Aubrey. August, 1881—June, 1884. With De Ford & Co., wholesale leather, 42 south Calvert street, Baltimore.

Leamy, Eugene. July, 1880—June, 1884. Editor of *The Week*, 1883–84. With Dr. W. C. Day, on the United States Census, in the geological department. Office in the Post Office building, Philadelphia, Pa.

Marsh, William Lee. August, 1880—July, 1884. Assistant time-keeper in the car shops at Mt. Clare, Baltimore.

Nason, Robert Lautenbach. August, 1881—December, 1884. Stair-builder, with J. P. Turner, 211 east Fifth street, Baltimore.

Rogers, Harry. July, 1879—July, 1884. Secretary of the Firemen's Insurance Company, corner South and Second streets, Baltimore.

Strong, Harry Clinton. July, 1880—July, 1884. Substitute letter carrier in the Baltimore Post Office.

1885.

Delphey, Charles Duhurst. January, 1881—June, 1885. With Charles Pracht & Co., wholesale confectioners and fruit packers, 406 and 408 Paca street, Baltimore.

Duvall, James Birch. August, 1881—June, 1885. Clerk in the Car Record Office, Baltimore & Ohio Railroad, Camden Station, Baltimore.

Evans, Charles Amos. August, 1881—July, 1885. Machinist, with Bartlett, Hayward & Co., iron founders and machinists, corner Scott and Pratt streets, Baltimore.

Henry, William Coltman. July, 1878—June, 1885. Honorary scholar 1884-85.

Johnson, Ernest Hemsley. July, 1879—July, 1885. Honorary scholar 1884-85. Civil engineer, maintenance of way department, Baltimore & Ohio Railroad, Cumberland, Maryland.

Landreth, Clarence Patterson. August, 1881—June, 1885. Clerk and stenographer for the Main Belting Company, 1219 to 1235 Carpenter street, Philadelphia.

Lanier, Charles Day. December, 1881—August, 1885. Appointed to honorary scholarship for 1885-86. Editor of *The Week*, 1883-84. A. B., Johns Hopkins University, 1888. With A. F. Higgins, Marine Insurance Agent, 50 Wall street, N. Y.

Martinetti, George. July, 1884—July, 1885. Musician, Baltimore.

McCaw, Thomas De Graffinread. August, 1882—June, 1885. Medical student, Louisville, Ky.

Miller, William Haman. August, 1880—January, 1885. Honorary scholar 1884-85. Ph. G., Philadelphia Collage of Pharmacy, 1890, corner Sixth and Reed streets, Philadelphia.

Rogers, Charles Tall. January, 1884—June, 1885.

Russell, Allen Traves. July, 1880—July, 1885. Honorary scholar 1884-1885. Civil engineer, with Jamaica Improvement Company, Jamaica, West Indies.

Schutz, John Lawrence. July, 1880—August, 1885. Janitor of the pathological laboratory of the Johns Hopkins Hospital, Baltimore.

Sheffer, John William. July, 1880—July, 1885. Stenographer for the Schultz Gas Fixture and Art Metal Company, 1016 East Baltimore street, Baltimore.

Smith, James Vernay. January, 1881—July, 1885. Clerk in the Enoch Pratt Free Library, Mulberry street, Baltimore.

Taylor, Frank Wilhelm. August, 1881—August, 1885. Honorary scholar 1884-85. Graduate in Electrical Engineering, Johns Hopkins University, 1889. Electrical engineer, Sprague Electric Railroad and Motor Company, Pullman, Illinois.

1886.

Allen, Edward Reuben. July, 1882—April, 1886. Country entry clerk for Hurst, Purnell & Co., wholesale dry goods and notions, Sharp, German and Liberty streets, Baltimore.

Biggin, Frederic Child. August, 1882—June, 1886. Graduate in drawing and architecture, Maryland Institute, 1888. Student at Cornell University, Ithaca, N. Y.

Cooksey, Joseph Kase. July, 1883—July, 1886. Clerk for the South Baltimore Car Works Company, corner Calvert and German streets, Baltimore.

Crist, George Edward. August, 1881—August, 1886. Honorary scholar 1885–86. In the machinery department of Mount Clare works, Baltimore and Ohio Railroad, Baltimore.

Cuttle, George Edward. August, 1885—July, 1886. Student at the Manual Training School, Baltimore.

Dannelly, Charles Otis. July, 1880—June, 1886. Assistant clerk of the County Court, Nash., Ellis county, Texas. Died May 18, 1889, aged 20.

Diamond, Walter Gormley. August, 1879—June, 1886. Honorary scholar 1885–86. Stenographer for W. H. Evans, importer of Italian marble, York street near William, Baltimore.

Hall, Amherst Belcher. July, 1882—July, 1886. Honorary scholar 1885–86. Clerk for Equitable Insurance Company, Eutaw and Fayette streets, Baltimore.

Lewis, Robert Proud. August, 1880—June, 1886. Honorary scholar 1885–86. Clerk for The Newburg Orrel Coal and Coak Company, 33 south Gay street, Baltimore. Book-keeper for Thom & Redwood, bankers, 11 South street, Baltimore.

Mettee, Charles Edward June, 1885—April, 1886. Died April 18, 1886, aged 12.

Paul, John Matthew. December, 1885—July, 1886. With F. Lucus, Jr., printer and bookbinder, Baltimore street, Baltimore.

Pawley, Randall Warrick. July, 1884—May, 1886. In freight department, Baltimore and Ohio Railroad, Howard and Barre streets, Baltimore.

Selby, James Lee. July, 1882—July, 1886. Book-keeper for the Patapsco Baking Powder Company, 402 South Eutaw street, Baltimore.

Stover, Robert Douglas. July, 1883—June, 1866.

Taylor, George Edward. September, 1881—July, 1886. Draughtsman for J. A. and W. T. Wilson, architects, 1 East Lexington street, Baltimore.

Wilkinson, John Chapman. July, 1884—May, 1886. Clerk for Hodges Bros., 23 Hanover street, Baltimore.

1887.

Cole, Julian Churchill. July, 1884—August, 1887. Clerk for the Philadelphia, Wilmington and Baltimore Railroad Company, President Street Station, Baltimore.

Cook, Joseph Guild. July, 1882—July, 1887. Honorary scholar, 1886–87. Book-keeper for Pitcher & Creager, brick manufacturers, 19 East Lexington street, Baltimore.

Edel, John George. June, 1885—November, 1886. Clerk for the Storage and Lighterage Company, Rialto Building, Second and Holliday streets, Baltimore.

Edwards, Eugene. August, 1883—August, 1887. In the moulding shops of the Midvale Steel Works, Nicetown, Philadelphia.

Franklin, Benjamin Alvey. November, 1881—July, 1887. Honorary scholar, 1886–87. Student at the Johns Hopkins University, 1887–89. In the casting department of the Midvale Steel Works, Nicetown, Philadelphia.

Fuller, Thomas Nelson. August, 1883—January, 1887. Died February 20th, 1890, aged 20.

Gantt, Charles Steuart. August, 1881—August, 1887. Honorary scholar, 1886–87. Clerk and stenographer for Bartlett, Hayward & Co., iron founders and machinists, Scott and Pratt streets, Baltimore.

Grafflin, Charles Frederick. July, 1882—December, 1886. Editor of *The Week*, 1884–86. Book-keeper in the Provident Savings Bank, Howard and Franklin streets, Baltimore.

Grewe, William Joseph. July, 1886—June, 1887. With Peter Kell, butcher, Richmond Market, Baltimore.

Holton, John Armstrong. July, 1885—June, 1887.

Kerlinger, Joseph Henry. June, 1882—August, 1887. Honorary scholar, 1886–87. In the chemical laboratory of the Midvale Steel Works, Nicetown, Philadelphia.

Lackey, Robert Lee. August, 1884—June, 1887. Orange grower in Florida. Address, Dade City Hotel, Dade City, Fla.

McComas, Wilson Richard. July, 1885—June, 1887. Learning the gilder's trade, Baltimore.

McVeigh, Edward Warren. August, 1881—June, 1887. Reporter for the *Evening Sun*, New York.

Wegner, Charles Henry. July, 1884—July, 1887. In the shops of L. Hehl & Co., furniture manufacturers, 211 North Howard street, Baltimore.

1888.

Benner, Hugh Gifford. July, 1886—June, 1888.

Coy, George James. July, 1884—July, 1888. Honorary scholar, 1887–88. With J. C. Orrick & Son Co., wholesale and retail grocers, Cumberland, Md.

Coyle, Edward Emory. July, 1884—June, 1888. Reporter for the *Daily News*, Baltimore.

Fergusson, Alan Robb. September, 1882—July, 1888. Stenographer at the Sparrow's Point Steel Works, Steelton, Md.

Gibson, William Alexander. July, 1885—April, 1888.

Hart, Robert Edward Lee. July, 1886—June, 1888. With the Bein Jewelry Company, 33 West Lexington street, Baltimore.

Hauer, Daniel Jacob. August, 1881—July, 1888. Honorary scholar, 1887–88. Editor of *The Week*, 1886–88. In the Superintendent's office of the Baltimore and Ohio Railroad, Camden Station, Baltimore.

Moreton-Dyer, Percy Arthur. July, 1884—June, 1888. Honorary scholar, 1887–88. Clerk in the Car Record Office, Baltimore and Ohio Railroad, Camden Station, Baltimore.

Thomas, George Culbreath. August, 1883—June, 1888. Collector for the Baltimore *Telegram*.

Walker, John Edgar. December, 1884—July, 1888. Clerk for the Merchants' Protective Credit and Collection Bureau, Hopkins place, German and Liberty streets, Baltimore.

1889.

Barker, George. August, 1887—September, 1888.

Beauchamp, Henry Clay. July, 1884—July, 1889. Honorary scholar, 1888–89. Clerk for the Beaver Dam Marble Company, 704 Constitution street, Baltimore.

Bishop, Walters McFarland. July, 1884—June, 1889. Stenographer and type-writer for W. S. Cross, wholesale hard woods and mahogany, Eastern avenue and East Falls avenue, Baltimore.

Boullt, Harry. July, 1884—June, 1889. Honorary scholar, 1888–89. Stenographer and type-writer for the Love Sewing Machine Manufacturing Company, Rochester, Pa.

Brooks, Walter Littell. February, 1883—July, 1889. With Fleet, McGinley & Co., printers, 403 Exchange place, Baltimore.

Brown, Alexander Paul. July, 1884—June, 1889. Clerk for Brown Brothers & Co., manufacturers of perfumes, 661 West Baltimore street, Baltimore.

Burgess, Claude. June, 1885—June, 1889. Honorary scholar, 1888–89. With Cushing & Co., booksellers and stationers, 34 West Baltimore street, Baltimore.

Chandler, William Sanger. July, 1886—June, 1889. With Mullen, Bean & Witz, boots and shoes, Baltimore, Md.

Dames, John Holmes. July, 1884—June, 1889. Clerk for Barnes & Co., corks and glassware, 417 Exchange place, Baltimore.

Davis, George William. August, 1885—March, 1889.

Gilmor, Harry. June, 1883—April, 1889. Honorary scholar, 1888–89. Civil engineer, with Maryland Central Railroad Company, Baltimore.

Gregg, John Newton. July, 1886—June, 1889. Clerk in the despatch office of the Baltimore and Ohio Railroad, Camden Station, Baltimore.

Jordan, Walter Mosely. July, 1885—June, 1889. Honorary scholar, 1888-89. In Boston, Mass.

Kemp, Edwin Abel. July, 1885—June, 1889. With Witz, Biedler & Co., dry goods, 210 West Baltimore street, Baltimore.

Kyle, James Watkins. August, 1885—July, 1889. With Patterson, Gottfred & Hunter, hardware dealers, Centre and Walker streets, New York.

McCabe, William Walker. July, 1885—June, 1889. With John H. Riley, gold beater, 138 West Fayette street, Baltimore.

Merryman, William Henry. July, 1886—July, 1889. With C. H. W. Van Buren & Co., publishers' agents, 21 Post Office avenue, Baltimore.

Placide, William Stirling. July, 1886—June, 1889.

Price, Charles Albert Robert. August, 1885—July, 1889.

Robb, Malcolm. October, 1884—July, 1889. With Cushing & Co., booksellers and stationers, 34 West Baltimore street, Baltimore.

Robier, Harry Albert. February, 1887—May, 1889. With E. B. Duval & Co., insurance agents and brokers, 20 South Holliday street, Baltimore.

Steigelman, Columbus Norman. July, 1885—July, 1889. Printer, with Baltimore Methodist Company, 6 East Lexington street, Baltimore.

Stubbs, Norman Elmo. July, 1884—July, 1889. Honorary scholar, 1888-89. With Underwood & Underwood, stereoscopic views, 330 North Calvert street, Baltimore.

Sparks, Erwood Richardson. July, 1886—July, 1889. In the telegraph department, Baltimore and Ohio Railroad, Baltimore.

Sutton, Walter Percy. August, 1885—July, 1889. Honorary scholar, 1888-89. With the Baxter Electric Motor Company, Baltimore.

Whittemore, Milton. August, 1888—July, 1889.

1890.

Allnutt, Edmund Randolph. August, 1886—November, 1889. With Allnutt & Moody, fine shoes, 10 East Pratt street, Baltimore.

Ames, Edgar Allan Poe. February, 1887—September, 1889. Clerk in the Enoch Pratt Library, Baltimore.

Brach, William Volant. July, 1886—July, 1890. Honorary scholar, 1889-90.

Brown, Harry Gassaway. August, 1888—July, 1890. With William H. Gorman, president of the Cumberland Coal Company, 213 East German street, Baltimore.

Bruce, Charles Altvator. July, 1887—June, 1890.

Burgess, William Ernest. July, 1885—May, 1890. Bookkeeper and collector for the *Civil Service Reformer*, 301 North Charles street, Baltimore.

Clauk, Willian Edgar. July, 1884—July, 1890.

Cross, David Harman. June, 1885—May, 1890. Honorary scholar, 1889-90. Asssistant pressman, with E. B. Young, printer, 45 South Holliday street, Baltimore.

Dillon, Jesse Lee. July, 1886—June, 1890.

Doenges, Samuel Frederick. July, 1887—June, 1890. With Hilgartner & Sons, marble works, 714 West Baltimore street, Baltimore.

Faulstich, Charles John. June, 1885—June, 1890. With Baxter Electric Motor Co., Baltimore.

Fitchett, Thomas Howard. July, 1884—July, 1890. Honorary scholar, 1889-90. Stenographer and typewriter, with Thom & Redwood, bankers, 11 South street, Baltimore.

Gambrell, James Henry. August, 1886—June, 1890. Honorary scholar, 1889-90. Stenographer and typewriter, with E. W. Horstmeier & Son, lumber merchants, 305 East Falls avenue, Baltimore.

Gray, Irvin Bennett. August, 1887—June, 1890.

Herbert, Chester Arthur. August, 1888—June, 1890.

Hopper, John Bartlett. July, 1884—September, 1890. Honorary scholar 1889–90. Stenographer and typewriter, with E. B. Stocking, patent lawyer, 611 F street, N. W., Washington, District of Columbia.

Jackson, William A. August, 1887—July, 1890.

Johnson, John Wesley. August, 1885—July, 1890. Honorary scholar, 1889–90. With the Baxter Electric Motor Company, Baltimore.

King, Thomas. July, 1886—July, 1890. Honorary scholar, 1889-90. With the Baxter Electric Motor Company, Baltimore.

Lanier, Harry Wysham. August, 1886—January, 1890. Honorary scholar, 1889-90. Editor of *The Week*, 1888–89. Teacher in Baltimore.

Macdonald, Robert Webster. July, 1886—July 1889–90. Honorary scholar, 1889–90. Editor of *The Week*, 1889–90. Assistant Secretary German-American Fire Insurance Company, Postoffice avenue and Baltimore street, Baltimore.

Martin, James Luther. July, 1886—June, 1890. Honorary scholar, 1889–90. Clerk and steward at McDonogh School.

Pattison, Hugh DeValin. June, 1883—January, 1890. Honorary scholar, 1889–90. Student in Electrical Engineering, Johns Hopkins University, 1890. With Baxter Electric Motor Company, Baltimore.

Smith, Lee Carroll. July, 1885—June, 1890. In the office of auditor of revenue, Baltimore and Ohio Railroad, Baltimore.

Thomas, Harry Cromwell. September, 1885—June, 1890.

Trezise, Francis. July, 1886—July, 1890.

Vollmer, Henry William. July, 1886—June, 1890. With W. H. H. Bixler & Co., ship chandlers' and builders' supplies, 500 Hughes street, Baltimore.

Von Culin, Elon Way. August, 1886—June, 1890. Honorary scholar, 1889–90.

ANNUAL REPORT

OF THE

HEALTH DEPARTMENT

OF THE

CITY OF BALTIMORE,

TO THE

Mayor and City Council of Baltimore,

FOR THE

Fiscal Year Ending December 31, 1890.

OFFICERS AND EMPLOYEES

OF THE

BOARD OF HEALTH OF THE CITY AND PORT OF BALTIMORE,

FOR THE YEAR 1890.

BOARD OF HEALTH.

HON. ROBERT C. DAVIDSON, Mayor,
Member ex-officio.

GEORGE H. ROHÉ, M. D.,
President, Commissioner of Health, and Registrar.

JAMES F. McSHANE, M. D.,
Assistant Commissioner of Health.

A. ROBERT CARTER,
Secretary of the Board of Health.

SIDNEY O. HEISKELL, M. D.,
Resident Physician at the Quarantine Hospital of the Port of Baltimore.

GEORGE C. VANSANT, *Assistant Secretary of the Board of Health.*
JOHN W. LEE, *Inspector of Plumbing.*
V. BURGESS HINES, *Permit Clerk.*
R. T. PENNINGTON, *Nuisance Clerk.*
JOHN T. SCHROEDER, *Clerk to Registrar.*
JOHN T. NOLAN, *Recorder of Births.*
MONTGOMERY LAWRENCE,
Assistant Permit and Assistant Registrar's Clerk.

Sanitary Inspectors:

JOSEPH V. FITZPATRICK,
JOHN E. DURDING,
JOHN M. DeGOEY,
HENRY M. McKEWEN,
JOHN LONG,
GEORGE N. LEWIS,
FRANK J. MURPHY.

Superintendents of Sewers:

HENRY PAFF, *Eastern District.*
MARK F. GORMAN, *Western District.*

Superintendents of Public Cemeteries:

GEORGE RINEHART, *Eastern.*
GEORGE E. BROWN, *Western.*

Superintendents of Night Soil Dumps:

JAMES QUINN, *Superintendent No. 1, Foley's Wharf.*
DENNIS HEALY, *Assistant Superintendent No. 1, Foley's Wharf.*
CHARLES F. RINGGOLD, *Superintendent No. 2, Winans' Wharf.*
JOHN J. KERNAN, *Assistant Superintendent No. 2, Winans' Wharf.*
JOHN G. SULLIVAN, *Detective.*
W. H. BLONDELL, *Messenger.*

CITY ANNEX.

Sanitary Inspectors:

D. S. WILLIAMS, M. D.,
R. E. LEE HALL, M. D.,
W. P. KERNS, *Twenty-first Ward.*
LEWIS A. THOMAS, *Twenty-second Ward.*

VACCINE PHYSICIANS.

First and Second Wards:
N. L. DASHIELL, JR., M. D., 700 South Broadway.

Third and Fourth Wards:
C. F. MAGUIRE, M. D., 111 South Exeter street.

Fifth and Sixth Wards:
JOHN DAVIS, M. D., 202 North Chester street.

Seventh and Eighth Wards:
J. B. SAUNDERS, M. D., 819 East Chase street.

Ninth and Tenth Wards:
AUGUST HORN, M. D., 619 West Mulberry street.

Eleventh and Twelfth Wards:
T. P. McCORMICK, M. D., 1421 Eutaw Place.

Thirteenth and Fourteenth Wards:
J. C. WUNDER, M. D., 1303 Hollins street.

Fifteenth and Sixteenth Wards:
JOSEPH BLUM, M. D., 641 Columbia Avenue.

Seventeenth and Eighteenth Wards:
HENRY STARK, M. D., 1110 Hanover street.

Nineteenth and Twentieth Wards:
M. K. WARNER, M. D., 901 North Stricker street.

CITY ANNEX.

Twenty-first Ward:
J. B. MULLINS, M. D., 931 Frederick avenue, Carroll P. O.

Twenty-second Ward:
H. G. PRENTISS, M. D., Waverly avenue, Waverly P. O.

REPORT

OF THE

Commissioner of Health.

REPORT.

To the Honorable the Mayor and
City Council of Baltimore:

GENTLEMEN:

I have the honor to submit herewith the report of the operations of this department for the year ending December 31, 1890.

TOTAL DEATHS AND DEATH RATES.

The total number of deaths reported during the year is 10,198, of which 8,057 were white persons and 2,141 colored. In comparison with 1889 this is a decided increase. The causes of this increase are found in the epidemics of influenza (*la grippe*) and measles and their complicating diseases which prevailed during the early part of the year.

The death-rate for the year is 22.41 per thousand of population, the white death-rate being 20.98 and the colored 30.15. This is an apparent increase of 5.01 per thousand over the mortality of last year. But inasmuch as the estimated population on which the calculation of the mortality rate was based was nearly 50,000 too high, the increase in the death-rate is only partly an actual increase. If the

same estimated population were used as last year the difference in the death-rate between the two years 1889 and 1890 would be only 2.03 per thousand.

In view of the wide discrepancy between the enumeration of the City's population made by the U. S. Census authorities (434,439) and the estimate of population used by this department, I venture to request his Honor, the Mayor, to bring the subject to the notice of the Honorable Board of Police Commissioners with a view of having a trustworthy enumeration of the City made by the force under their control. The board courteously complied with the suggestion of his Honor, and promptly caused a census to be taken which resulted in giving the City a population of 455,427, of whom 384,394 are white and 71,033 colored. Since the date of the announcement of this result (November 29, 1890), these figures have been used to calculate the death and birth-rates. In consequence, the death-rate for 1890 appears to be much higher than for several years previous.

The ratio of deaths of children under five years of age to the total mortality was 40.37 per cent., exactly one-tenth of one per cent. higher than for 1889. There were 811 deaths of persons above 70 years of age, showing a large proportion of aged decedents.

The increase in the total number of deaths occurred in the first five months of the year. The deaths during this period exceeded the average mortality for these months for the past nine years by 1,065, while the entire increase for

the year was only 833. Table B shows that over two-thirds of the increase was due to measles and diseases of the respiratory organs. It is fair to assume that the excessive mortality during the months mentioned was due to the epidemics of influenza and measles which prevailed in the City during the first half of the year.

MORTALITY FROM CERTAIN DISEASES.

Consumption. Table C shows a slight apparent diminution in the death-rate from this disease, the ratio of deaths from consumption to the total mortality being 12.25 per cent. as against 14.02 per cent. for the past sixteen years. Reference to table A will, however, show such a conclusion to be fallacious, as the total mortality from consumption is 64 higher than the average mortality from this disease for the previous nine years.

Pneumonia. The deaths from pneumonia show an increase of 404 over the average for the nine years 1881-89. There can be no doubt that the influenza epidemic had the largest share in causing this increase.

Bronchitis. The number of deaths caused by this disease during the year is just double the average mortality. It is probable that this increase was almost entirely due to the prevalence of measles and of the *grippe.*

Diphtheria and Croup. The total number of deaths from these two diseases was 319, a decrease of 183 from the average for the previous nine years. There is reason to believe that the measures of isolation and disinfection

enforced by this department during the last four years have had no little influence in causing this decrease.

Scarlet Fever. In this disease likewise, a decided reduction has occurred, there being only 42 deaths during the year against an average of 120 per year for the previous nine years.

Whooping Cough. This disease, which is generally regarded as so trivial that frequently a physician is not consulted, caused 100 deaths during the year, a slight increase over the average (81) for the nine years 1881-89.

Measles. The deaths from measles were more than double the average. The average number of deaths per annum for nine years is 110, while during 1890, 248 persons died from this disease.

Small-pox. Happily no case of this disease occurred in the city during the year. We have been practically exempt from small-pox for seven years, only two deaths being recorded since 1883.

Typhoid Fever. Since 1883 there has been a slowly progressive increase in the deaths from this disease. The number of deaths for 1890 was 247, as against an average for nine years of 161. A considerable proportion of the cases occur in the Twenty-first and Twenty-second Wards, where pumps are still relied upon to a large extent for furnishing drinking water. Many non-residents are brought to the hospitals suffering with the disease. The reports of the sanitary inspectors also show that many of the cases of

residents were contracted in other places. Not a few of the cases were brought to the city from so-called "health resorts," where the sanitary arrangements are often extremely defective. The general water supply from Lake Roland having been suspected by some persons as the source of the infection, a topographical study of the distribution of the disease in the City was made by charting each case as reported, upon a map. The result of this investigation was, however, inconclusive, as it failed to show any larger proportion of cases in those parts of the City supplied with water from Lake Roland than in those portions supplied from the Gunpowder River.

Cholera Infantum. This scourge of infantile life shows a decreased death-rate during the year, the total number of deaths being 507, against an average of 522 for the previous nine years.

Total Zymotic Diseases. The total mortality from zymotic diseases, including among these consumption and pneumonia, was 4,411, or 43.25 per cent. of the total deaths.

Cancer. Table E shows a continued increase in the deaths from cancer, the ratio to the total mortality for 1890 being 2.7 per cent. This is nearly one per cent. higher than the ratio for cities in the United States according to the U. S. Census of 1880. Medical science has not yet discovered the cause or causes of this increase, but investigations now in progress seem to promise an early solution of this interesting problem.

Deaths in Hospitals. An examination of the table showing the deaths by wards appears to indicate that in certain of these divisions of the City the death-rate from consumption, surgical affections and typhoid fever is abnormally high. This excess may be ascribed to the location of large general hospitals in these wards. A cursory examination of the mortality tables, therefore, might lead to incorrect conclusions as to the liability of the resident population of these wards to the diseases mentioned. Steps have been taken to separate the deaths of non-residents from those of the residents in order to ascertain more accurately the true mortality-rate of the city.

BIRTHS.

The total number of births reported during 1890 was 9,398, of whom 8,226 were white and 1,172 colored, a slight excess over 1889. The annual birth-rate per thousand of the white population is 21.58, of the colored 16.50, and of the whole population 20.65. It must be evident at a glance that these figures cannot represent the true condition, otherwise we would be in the anomalous condition of having a lower birth-rate than death-rate. Doubtless many births fail of report by the physicians and midwives in attendance at the confinement. No prosecutions have been instituted for violation of the ordinance requiring such report to be made because of the difficulty of securing evidence to convict those who are derelict. It is the fixed determination of the department to proceed against the delinquent in every case of violation of this law where adequate evidence to convict can be obtained.

REPORTS OF INFECTIOUS DISEASES.

On March 18, 1890, the Council passed, and on March 20, his Honor, the Mayor, approved an ordinance amending Art. XXIII, Section 156, Baltimore City Code, relating to the report of infectious diseases by physicians and others. A number of diseases were added to the list as it formerly stood in the ordinance. The diseases now requiring report within 24 hours after the first visit of the physician are as follows: Small-pox, cholera, yellow fever, measles, whooping-cough, pseudo-membranous croup, mumps, malignant diphtheria, scarlet fever and varioloid. It is desirable that typhoid and typhus fevers should be added to this list.

It gives me much pleasure to state that physicians have generally complied with the provisions of this ordinance as now amended. In a number of instances the householder has considered himself aggrieved at the report of the case and the visit of the sanitary inspector from this department, but no serious friction has occurred. The physician is bound, under heavy penalty, to report the cases, and it is the duty of the department to take appropriate measures to prevent the spread of the diseases. It is hoped that citizens will see the importance of a thorough enforcement of the law, and that they will sustain the family physician as well as this department in doing their duty.

The number of cases of infectious disease reported by physicians under this ordinance, from April 1 to the end of the year, was 2,593. All these cases were inspected from this department, and in many instances sanitary defects

discovered on the premises, which were corrected. I am convinced that the continued rigid enforcement of this ordinance will, in the future, aid greatly in limiting the spread of infectious diseases.

In addition to the cases reported by physicians, information derived from other sources led to many more inspections. The total number of inspections of premises for infectious disease was 2,997, an increase of 2,543 over the previous year.

The increased work thrown upon the department by the ordinance above referred to necessitates the employment of a special officer to carry out the disinfection and fumigation of the infected premises. I would request authority to designate an officer for this duty, in order that the work may be promptly and satisfactorily performed.

ISOLATING HOSPITAL FOR INFECTIOUS DISEASES.

I venture to call your attention to the necessity of making some provision for the treatment of indigent persons suffering from contagious or infectious diseases. At present no hospital in the city will receive cases of scarlet fever, diphtheria, membranous croup, measles or small-pox. It frequently happens that local outbreaks of diphtheria and scarlet fever could be promptly stamped out if the patients could be removed to an isolating hospital and the infected premises subjected to fumigation and disinfection. I would recommend the construction of a municipal hospital for infectious diseases, in some easily accessible locality. Such

an institution, properly built and placed under the supervision of this department, would prove of incalculable benefit not only in the emergency of epidemic visitations of small-pox, cholera and yellow fever, but for the restriction of those fatal domestic pestilences, like diphtheria and scarlet fever, which are rarely entirely absent from the city.

VACCINATION AND SCHOOLS.

The vaccine physicians have been attentive to their duties. The total number of vaccinations performed during the year was 11,281, an increase of 3,870 over 1889.

In September last I addressed a communication to the honorable Board of School Commissioners, requesting permission for the vaccine physicians to enter the public schools and examine the arms of all the children, and vaccinate such as presented no satisfactory evidence of successful vaccination. The Board courteously granted the permission asked, and immediately thereafter a general school visitation was made by the vaccine corps. This examination disclosed the interesting result that a considerable number of children had been admitted to the schools possessing certificates of vaccination, it is true, but bearing no other evidence of successful vaccination. The inference to be drawn from this discovery is that some family physicians sign certificates without satisfying themselves by personal examination that the holders of the certificates have really been successfully vaccinated. In all such cases the children were excluded from school until

they had been properly vaccinated. In the majority of cases the vaccine physician was permitted to perform the vaccination.

The Board of Commissioners for the Public Schools have always willingly co-operated with the Health Department in the enforcement of such measures as would tend to limit the spread of infectious diseases. Heretofore there has not existed, however, that cordial understanding between the department and the directors of the various parochial and private schools that seemed desirable upon this point. During the year correspondence was had with those in charge of schools not under the control of the public authorities, supplemented, in a number of instances, by personal interviews, and, as a result, these institutions have voluntarily submitted to the regulations of the Health Department respecting vaccination, and the exclusion of children coming from houses in which infectious diseases exist.

VACCINE PHYSICIANS.

The ordinances providing for the appointment of the present number of vaccine physicians, consisting of one physician "for every two contiguous wards" within the old city boundaries, were passed about thirty years ago, when the population of the City was 212,418. It must be clearly evident that if there was need for one physician for every two wards at that time, this number is entirely inadequate now, when the population has more than doubled. The reports of the vaccine corps for the twenty old wards show

that during the past year 31,186 house visits and 10,125 vaccinations were made within those limits. At the salary paid these physicians, the compensation received by them is a fraction under ten cents for each visit. For this they are obliged, in addition, to keep their books, make monthly, quarterly and annual reports, give certificates of vaccination to school children, and visit cases of small pox or other contagious diseases when directed by the Board of Health. I would earnestly recommend that the compensation of these officers be increased to a sum more nearly commensurate with the character of the duties they have to perform, or that their number be increased to one from each ward.

SEWERAGE.

The vital importance of a thorough system of removal and inoffensive disposal of sewage is generally recognized. The primitive methods of disposal of excretal and house-wastes at present in use in this City should be abolished.

The most powerful obstacle to the adoption of a system of sewerage heretofore, has been its supposed cost, but an examination into the comparative cost of removal of night-soil by the present methods, and a complete sewerage system will show that, in the end, the latter is the cheapest. Every privy in the city is a constant nuisance, and periodically when a cleaning out and removal of the contents of the same become necessary the nuisance grows into an outrage upon public decency. It is imposible to find language capable of expressing in its entirety the filthiness

and dangers to life and health by which we are surrounded so long as the present privy system is maintained.

PUBLIC URINALS.

I would respectfully urge upon your attention the great need of public urinals in this city. Baltimore is one of the few large cities in this country which has failed to make suitable provision for the convenience of strangers in its streets or of citizens when away from home. In the centre of the city, hotels, clubs and public buildings are to a certain extent relied on, but places of retirement for the use of the public should be built and maintained at the public expense.

PUBLIC BATHS.

The comfort and health of the poorer classes demand that suitable provision shall be made for public baths. The excellent ordinance enacted several years ago requiring all houses to be provided with bath-rooms, is worthy of all commendation, but many of the older houses are still unprovided with this necessary adjunct to health. The bountiful supply of water possessed by the city would permit the construction and maintenance of public bath houses supplied with pure, clean water at a moderate expenditure.

I would recommend that the claims of the shower or spray bath, as introduced in the French and German armies, be considered in any movement looking to the establishment of public baths. This form of bath is cheap, easily

kept in order, and better for cleansing and cooling purposes than the pool bath. The swimming pool, which is the common type of the public baths in use in this country, is difficult to keep clean, and may easily, with careless management, become a source of disease.

THE CITY MORGUE.

The completion of a morgue, or public dead-house, is a source of much gratification to this department. The plans for the building were drawn by Building Inspector J. Theodore Oster, after a thorough examination of similar institutions in Philadelphia, New York, Brooklyn and Boston. It may be said without exaggeration that no city in the country is now provided with a morgue better adapted for the uses of such an institution than the one just completed in Baltimore. An appropriation will be necessary to properly furnish the office, coroner's room and autopsy room in the building, and suitable provision must be made for heating and lighting, and for ice needed for preservation of such bodies as may be sent there awaiting identification.

Authority will also be needed to appoint a keeper, who should be a practical undertaker, familiar with the methods of preserving bodies and of so preparing them for preservation that identification will be easy and the sensibilities of the relatives and friends of the dead person be not shocked by improprieties and unseemly conditions of the body or its surroundings.

DISEASED MEAT AND SLAUGHTERING ESTABLISHMENTS.

The extent to which the meat of diseased animals is sold in all cities in which no provision is made for adequate meat inspection, has enlisted the attention of the sanitary authorities here as elsewhere. The State Board of Health, acting under a law enacted at the last session of the General Assembly of Maryland, has done something to check the sale of diseased, adulterated and otherwise unwholesome articles of food, but the machinery in the hands of the State Board and the limited sum appropriated to carry out the law, are inadequate to stop the traffic in the meat and other food products of diseased animals in this city or State. It has been asserted that diseased animals rejected by the inspectors in other cities are brought to this city and sold to butchers for slaughter. The department has no power either in law or effect to interfere with this pernicious practice. Indeed, any satisfactory way of dealing with the problem is impracticable until all the slaughtering business is concentrated in one or two establishments, as in Boston, New Orleans and other cities, where no animals can be slaughtered for food except at the abattoirs. When the slaughtering business is thus concentrated, inspection of food animals before and after slaughter is easy, and unsound meat can readily be condemned and its destruction made certain, a result impossible of attainment so long as the present mode of killing in a multitute of private slaughter houses is continued. Furthermore, the sanitary condition of private slaughter houses is often so abominable, that, as a protection of the city against the nuisance created

by them, they should be abolished. If there is necessity for statutory authority to make appropriate regulations, I would recommend that the Legislature be petitioned to authorize the city to require all slaughtering of animals for food to be carried on in establishments constructed and conducted under inspection and approval of the Board of Health.

PUBLIC DISINFECTING STATION.

The spread of contagious and infectious diseases can be most effectually limited by the practice of isolation and disinfection. Through the notification made to the department by the attending physician in such diseases, measures to isolate the patients can usually be taken, and should the City decide to build an hospital appropriate to such cases the isolation could be made very effective. In regard to disinfection, however, while the department is making every effort to render it thorough and efficient, I recognize the many short-comings which attach to the present methods in use. The construction of a public disinfecting station, where clothing, bedding and other infected articles could be subjected to the germicidal action of steam—the most satisfactory disinfectant at our command—would assist the department materially in carrying out those measures for the restriction of contagious diseases which sanitarians consider as essential to a perfect system.

INSPECTOR OF DRAINS.

The increase in the work falling to the Inspector of Plumbing, to whose report hereto attached I have the honor

of drawing your attention, has made it necessary to detach one of the other officers from his regular duty and direct him to inspect the laying of private drains, for which permits are granted by this department under the authority conferred by the Mayor and City Council, March 28, 1890. I would request authority to appoint an officer with the title of "Inspector of Drains," who shall perform this service regularly.

SALARIES.

I venture to direct your attention to the inadequacy of the salaries paid to many of the officers and employees of this department.

The nature of the duties which officers of the health department are required to perform call for the exercise of prudence, tact, courage and endurance to an extent not demanded of the employees of any other department of the City government. Such qualities should be remunerated to a degree more nearly commensurate with the duties performed.

REPORT OF THE ASSISTANT COMMISSIONER OF HEALTH.

The report of Dr. Jas. F. McShane, the Assistant Commissioner of Health, herewith transmitted, shows in detail the amount of work performed by the different divisions of the department. It will be noted that there has been generally a large increase of the work of the department over previous years. The recommendations made in the report I commend to your favorable consideration.

I should not do justice to my colleague did I fail to acknowledge here the aid which he has always cheerfully rendered me, more particularly at a time when I was unfamiliar with the practical work of the department, and again when unable to perform any duty in consequence of a painful accident. My thanks are due to him and to all the officers of the department for the courteous, prompt and faithful discharge of all duties assigned them.

REPORT OF THE SECRETARY.

Mr. A. Robert Carter, the secretary and statistician of the department, shows in detail the expenditures of the department, followed by tables and charts exhibiting in an interesting manner the vital statistics of the City. I would draw especial attention to the table showing for a series of years the comparative mortality from typhoid fever in the white and black races, a similar table showing the deaths from consumption, and the colored chart which presents graphically the numerical relation between several of the most prominent causes of death.

MEDICAL EXAMINERS' REPORT.

The report of the Medical Examiners appointed in accordance with the ordinance approved March 8, 1890, shows that sixty-six post-mortem examinations were made during the year, in one-third of which attendance upon the courts was necessary.

EXPENSES.

Estimated for 1891.

I have the honor to submit the following estimate of the expenses of the health department for the year 1891:

CITY PROPER.

Salaries	$35,300 00
General Health	12,000 00
Nuisances and Sewers	15,000 00
Quarantine Hospital	18,000 00
Medical Examiners' Salaries	1,500 00
Removing Filth from Docks	5,000 00
	$86,800 00

ANNEXED DISTRICT.

Salaries	$3,800 00
Nuisances and Sewers	2,500 00
	$6,300 00

Very respectfully,
Your obedient servant,

GEORGE H. ROHÉ,
Commissioner of Health and Registrar.

TABLES.

VITAL STATISTICS OF THE CITY OF BALTIMORE,

For the Year 1890.

Population by United States Census, June 30, 1890. Total			434,439
Population by Police Census—November 29, 1890, whites	384,394		
" " " " " " colored	71,033		
			455,427
(Police Census being adopted by Board of Health.)			
Marriages, 4,366. Marriage rate per 1,000 of population			9.60
Births (reported), white males	4,198		
" " " females	4,028		
		8,226	
" " colored males	571		
" " " females	601		
		1,172	
			9,398
Birth rate per 1,000 white population		21.58	
" " " " colored population		16.50	
			20.65
Still births, 800. Rate per 1,000 population			1.76
Total mortality—native white males		3,249	
" " " " females		3,105	
" " foreign " males		863	
" " " " females		809	
" " colored males		1,047	
" " " females		1,125	
Total whites		8,026	
Total colored		2,172	
Total mortality			10,198
Annual death rate per 1,000 of population—white			20.98
" " " " " " colored			30.15
" " " " " whole population			22.41

VITAL STATISTICS—Continued.

Total number of deaths from Measles	248
" " " " Scarlet Fever	42
" " " " Diphtheria	274
" " " " Croup	45
" " " " Whooping Cough	100
" " " " Typhoid Fever	247
" " " " Typho Malarial Fever	54
" " " " Cerebro-Spinal Fever	31
" " " " Consumption	1,249
" " " " Pneumonia	981
" " " " Bronchitis	230
" " " " Bright's Disease	187
" " " " Cancer	276
" " " " Disease of Heart	430
" " " " Cholera Infantum	507
" " " " Cholera Morbus	23
" " " " Pernicious Anæmia	4
" " " " Illuminating Gas	5

TOTAL DEATHS FROM ABNORMAL CONDITIONS CONNECTED WITH PARTURITION.

Puerperal Fever	7
" Convulsions	19
" Metritis	2
" Peritonitis	12
" Septicæmia	24
Placenta Prævia	5
Child Birth	15
Metro-Peritonitis	0
Abortion	5
Embolism	4
Hemorrhage of Uterus	8
Post Partum Hemorrhage	3
Dystocia	1
Extra Uterine Pregnancy	3
Cæsarean Section	1

VITAL STATISTICS—Concluded.

Total mortality of children under five years of age	4,117
Percentage of deaths of children under five years of age to total mortality	40.37
Total mortality from zymotic diseases	2,181
Percentage of deaths from zymotic diseases to total mortality	21.39
Total mortality from diarrhœal diseases of children under five years of age	859
Total mortality from diarrhœal diseases of all ages	1,092

DEATHS IN PUBLIC INSTITUTIONS.

Baltimore City Jail, 5; Maryland Penitentiary, 11; Hospitals and Asylums, 703. Total	719
Deaths reported by City Coroners, including inquests	491
Total number of autopsies by Medical Examiners	66

A. R. CARTER,
Secretary Health Department.

Meteorological Summary for the Year 1890.

From Signal Service Records.

PRESSURE.

Mean Barometer.....29.98 inches, .08 below normal.
Highest " .....30.62 " on January 22.
Lowest " .....29.35 " on October 29.
Range of " ..... 1.27 "

TEMPERATURE.

Mean Temperature.....56.7 degrees, 1.2 above normal.
Highest " .....98 " on July 8.
Lowest " .....12 " on March 7.
Mean Winter (1889 and 1890) Temperature, 44.5 degrees, 12.3 degrees above that of 1888 and 1889, and 9.0 degrees above normal.
Mean Spring Temperature.....53.2 degrees, .1 below normal.
" Summer " .....73.8 " 2.0 " "
" Autumn " .....57.8 " .8 above "
Mean Temperature of December, 35.0 degrees, 11.0 degrees below the Mean Temperature of December, 1889, and 2.0 degrees below normal.

PRECIPITATION.

Total Precipitation during the year, 46.96 inches, 3.89 inches above normal. Number of days on which rain or snow fell, 154. Greatest Monthly Precipitation, 5.98 inches in May. Least Monthly Precipitation, .74 inches in November.

WINDS.

Prevailing direction northwest.
Highest velocity, thirty-nine miles per hour, from northeast, on December 17.
Mean velocity, 5.3 miles per hour.
Total movement, 46,344 miles.
Mean relative humidity, 68 per cent.
First heavy frost in Autumn, October 31.
Last snow of season, 1889 and 1890, April 1.
First snow of season, 1890 and 1891, November 20.

C. P. CRONK, M. D.,
Observer, Signal Service.

Deaths from Zymotic Diseases, Consumption and Pneumonia, in each Ward, for Year ending December 31, 1890.

Zymotic Diseases.	Wards.																						Totals.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
Croup	5	2	2	5	2	3	2	...	1	1	1	1	1	1	2	..	5	3	1	4	..	3	45
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	....
Cholera Infantum	43	57	20	10	16	30	21	21	11	13	26	17	10	17	18	21	25	40	25	25	21	20	507
Cholera Morbus	1	1	1	1	1	1	...	1	2	1	1	1	1	..	2	2	3	...	2	...	1	..	23
Diphtheria	15	9	5	6	3	12	20	14	6	12	15	24	7	14	5	5	11	15	24	33	10	9	274
Diarrhœa	15	7	8	5	4	8	11	9	5	3	3	8	6	4	8	5	5	10	8	7	4	6	149
Dysentery	24	9	9	4	6	23	10	12	10	2	8	12	6	2	1	4	17	14	18	9	4	8	212
Entero Colitis	20	8	4	3	2	11	15	2	2	4	1	2	3	9	1	..	2	6	5	3	9	7	119
Erysipelas	4	1	..	1	1	1	...	5	1	2	1	2	..	1	1	1	2	...	...	...	...	1	25
Fever, Cerebro Spinal	1	1	...	1	2	1	1	..	3	1	5	..	1	1	2	...	2	1	1	..	7	31	
" Intermittent	1	1	..	1	..	...	...	...	1	..	...	...	...	...	...	...	...	...	...	...	...	...	4
" Malarial	6	6	2	4	3	1	5	4	2	1	..	2	..	1	..	3	2	2	1	1	..	1	47
" Puerperal	...	...	2	..	2	...	...	...	...	...	...	...	...	...	1	..	...	2	...	...	...	...	7
" Remittent	2	...	..	1	..	1	1	2	...	...	...	2	...	...	1	1	2	1	...	1	...	..	15
" Scarlet	3	1	3	2	1	...	5	2	..	2	3	3	1	3	1	..	1	2	2	3	1	3	42
" Typhoid	9	11	8	9	6	21	10	20	12	7	12	13	12	5	2	8	6	13	15	15	13	20	247
" Typhus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	....
" Typho-Malarial	3	6	2	1	1	4	4	1	5	..	3	1	4	2	3	1	1	7	1	2	1	1	54
Mumps	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	2

Measles	26	34	9	8	7	19	8	10	5	2	5	12	5	4	10	6	34	24	8	3	3	6	248
Pyæmia	1	.	.	.	1	1	.	.	1	.	.	.	.	.	.	.	.	1	1	1	.	.	7
Small Pox	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Septicæmia	.	.	1	.	.	1	1	2	1	.	.	1	3	.	.	1	.	1	1	.	1	1	15
Tonsilitis	1	1	.	.	1	.	.	.	.	.	.	.	1	.	.	.	.	2	1	1	.	.	8
Varicella	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Whooping Cough	8	5	4	2	4	8	3	7	3	4	3	8	2	2	6	5	4	7	4	3	3	5	100
Total Zymotic Diseases	189	160	80	63	62	147	117	113	67	58	83	114	62	66	63	65	120	152	119	112	71	98	2181
Consumption	73	37	58	38	50	90	74	71	64	32	51	64	45	36	56	39	59	63	68	69	40	72	1249
Pneumonia	71	46	25	43	45	82	46	35	47	32	28	43	38	54	34	27	72	74	34	53	23	29	981

GEORGE C. VANSANT,
Assistant Secretary, Board of Health.

TABLE A.

Showing the Mortality from Certain Diseases, also the Total Mortality from All Causes for a period of nine years, 1881–1889 inclusive, as compared with the year 1890.

Year.	Consumption.	Pneumonia.	Bronchitis.	Diphtheria and Croup.	Scarlet Fever.	Typhoid Fever.	Whooping Cough.	Measles.	Small Pox.	Total Mortality, All Causes.
1881	1,206	466	106	881	215	197	93	75	11	8 816
1882	1,217	516	110	929	179	165	43	71	551	8,923
1883	1,272	572	129	792	334	126	59	130	633	9,380
1884	1,126	560	107	470	104	151	120	228	1	8,293
1885	1,270	581	88	400	68	155	63	16	0	8,153
1886	1,182	631	129	318	32	150	91	201	1	8,339
1887	1,097	535	113	302	36	156	98	85	0	8,372
1888	1,151	740	126	216	44	161	112	176	0	8,936
1889	1,147	592	133	208	71	191	54	11	0	8,703
Total	10,668	5,193	1,041	4,516	1,083	1,452	733	993	1,197	77,915
Yearly average	1,185	577	115	502	120	161	81	110	133	8,657
1890	1,249	981	230	319	42	247	100	248	0	10,198
Total for 10 years	11,917	6,174	1,271	4,835	1,125	1,699	833	1,241	1,197	88,113

A. R. CARTER, *Secretary Board of Health.*

TABLE B.

Showing the Mortality from Certain Diseases, also the Total Mortality from All Causes during the first four months of each year, for a period of nine years, 1881–1889 inclusive, as compared with the same period of the year 1890.

Year.	Consumption.	Pneumonia.	Bronchitis.	Diphtheria and Croup.	Scarlet Fever.	Typhoid Fever.	Whooping Cough.	Measles.	Small Pox.	Total Mortality, All Causes.
1881	514	292	62	220	147	40	28	40	0	3,286
1882	524	325	54	321	98	51	17	24	47	3,204
1883	574	330	66	357	169	31	12	20	628	4,158
1884	511	352	54	175	59	49	48	214	0	3,475
1885	622	426	64	137	43	65	15	2	0	3,441
1886	552	409	68	128	21	33	33	127	0	3,412
1887	509	309	52	98	16	52	26	22	0	3,134
1888	513	460	69	94	19	32	54	15	0	3,469
1889	512	331	70	85	30	52	24	3	0	3,205
Total	4,831	3,234	559	1,615	602	405	257	467	675	30,784
Average	537	359	62	179	67	45	29	52	75	3,420
1890	602	648	105	130	19	69	27	221	0	4,485

A. R. CARTER, *Secretary Board of Health.*

TABLE C.

Showing the Mortality from Consumption, as Compared with the Total Mortality from All Causes—White and Colored, Males and Females—for the Year 1890. Also for a Period of Sixteen Years, 1875–1890 inclusive.

1890. week ending Saturday.	White Males.	White Females.	Colored Males.	Colored Females.	Weekly Mortality Consumpt'n.	Mortality, All Causes. White.	Mortality, All Causes. Col'd.	1890. week ending Saturday.	White Males.	White Females.	Colored Males.	Colored Females.	Weekly Mortality Consumpt'n.	Mortality, All Causes. White.	Mortality, All Causes. Col'd.
Jan'y 4	6	14	1	3	24	141	25	July 5	9	9	3	2	23	193	49
" 11	15	8	4	3	30	167	44	" 12	6	4	2	3	15	207	53
" 18	21	12	5	2	40	219	67	" 19	7	12	2	2	23	194	54
" 25	21	15	3	2	41	225	42	" 26	8	8	4	2	22	127	36
Totals ..	63	49	13	10	135	752	178	Totals ..	30	33	11	9	83	721	192
Feb. 1	11	16	5	4	36	167	45	Aug. 2	7	14	3	4	28	165	43
" 8	9	14	4	5	32	151	38	" 9	4	8	3	6	21	158	50
" 15	10	10	2	2	24	139	42	" 16	8	10	1	3	22	138	37
" 22	9	6	5	2	22	154	51	" 23	8	5	1	3	17	105	36
.....	....	.....	.....	.....	....	.....	.....	" 30	12	3	3	6	24	121	36
Totals ..	39	46	16	13	114	611	176	Totals ..	39	40	11	22	112	687	202
March 1	14	13	2	3	32	186	35	Sept. 6	9	2	3	5	19	125	33
" 8	5	11	4	5	25	146	49	" 13	7	6	2	3	18	127	37
" 15	8	13	4	6	31	168	56	" 20	7	13	2	3	25	143	26
" 22	10	7	0	4	21	147	31	" 27	10	6	4	1	21	128	34
" 29	10	9	2	2	23	168	46	.....	.....	.....	.....	.....	.....	.....	.....
Totals .	47	53	12	20	132	815	217	Totals ..	33	27	11	12	83	523	130
April 5	15	8	5	3	31	147	44	Oct'r 4	8	6	2	5	21	134	33
" 12	8	11	1	6	26	134	50	" 11	6	7	2	2	17	129	39
" 19	9	8	3	1	21	138	27	" 18	10	7	3	1	21	131	35
" 26	9	8	4	8	29	138	46	" 25	6	7	3	2	18	110	38
Totals ..	41	35	13	18	107	557	167	Totals ..	30	27	10	10	77	504	145

May 3	4	10	3	5	22	138	42	Nov. 1	7	8	4	2	21	124	27
" 10	6	9	6	4	25	172	36	" 8	7	8	2	3	20	114	28
" 17	14	5	3	3	25	160	39	" 15	6	10	3	5	24	127	35
" 24	9	4	5	2	20	149	47	" 22	9	6	2	5	22	129	39
" 31	5	7	3	7	22	172	57	" 29	9	8	1	2	20	122	23
Totals..	38	35	20	21	114	791	221	Totals..	38	40	12	17	107	616	152
June 7	6	7	1	4	18	226	68	Dec'r 6	7	11	6	3	27	130	29
" 14	8	7	7	1	23	233	61	" 13	12	7	2	2	23	136	33
" 21	7	3	2	6	18	195	59	" 20	10	5	3	1	19	131	27
" 28	6	4	5	1	16	200	52	" 27	9	6	3	1	19	108	33
.....	.....	.....	.....	.....	.....	.....	.....	4 days 31	6	10	4	2	22	90	30
Totals..	27	21	15	12	75	854	240	Totals..	44	39	18	9	110	595	152

1890.

Total white mortality from all causes..... 8,026 From consumption..... 914 Ratio to total mortality....11.38
Total colored mortality from all causes.... 2,172 From consumption..... 335 Ratio to total mortality .. 15.42

Total combined mortality from all causes.. 10,198 From consumption..... 1,249 Ratio to total mortality....12.25

Total mortality for sixteen years, 1875–1890 *inclusive.*

Total white mortality from all causes.....102,480 From consumption.....13,267 Ratio to total mortality....13.04
Total colored mortality from all causes.... 30,453 From consumption..... 5,462 Ratio to total mortality....17.93

Total combined mortality from all causes.132,933 From consumption.....18,729 Ratio to total mortality....14.08

Total mortality according to race and sex for sixteen years, 1875-1890 *inclusive.*

Total white males from all causes..... 52,129 From consumption..... 6,427 Ratio to total mortality....12.33
Total white females from all causes..... 50,351 From consumption..... 6,840 Ratio to total mortality....13.78
Total colored males from all causes..... 14,643 From consumption..... 2,441 Ratio to total mortality....16.67
Total colored females from all causes .... 15,810 From consumption..... 3,021 Ratio to total mortality....19.11

Total combined from all causes.....132,933 From consumption.....18,729 Ratio to total mortality....14.08

A. R. CARTER,
Secretary Board of Health.

TABLE D.

Showing the Annual Mortality and Death Rate in the City of Baltimore, White and Colored, for ten years, 1880–1889, inclusive; Births and Birth Rate, White and Colored, for six years, 1884–1889 inclusive, (births not having been classified, according to race, prior to 1884), as compared with the year 1890.

Year.	Annual Mortality.			Annual Death Rate per 1,000 of Population.			Year.	Births Reported.			Annual Birth Rate per 1,000 of Population.			Births, Illegitimate.	
	White.	Colored.	Total.	White.	Colored	Total.		White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.
1880.....	6,170	1,873	8,043	18.25	34.08	20.41	1880.....	.....	.....	.....	.....	.....	.....	.....	.....
1881.....	6,719	2,097	8,816	19.87	38.12	22 37	1881.....	.....	.....	.....	.....	.....	.....	.....	.....
1882.....	6 872	2,045	8,923	19.70	34.10	21 81	1882.....	.....	.....	.....	.....	.....	.....	.....	.....
1883.....	7,125	2 255	9,380	20.41	37.58	22.93	1883.....	.....	.....	.....	.....	.....	.....	.....	.....
1884	6,398	1,895	8,293	18.38	31.58	20.21	1884.....	6,899	1,136	8,035	19.76	18.93	19.64	124	173
1885.....	6 324	1,829	8,153	16.80	29 98	19.55	1885.....	6,632	1,108	7,740	18.63	18.16	18.56	112	171
1886....	6,477	1,862	8,339	18.19	30.52	19.98	1886.....	6 481	1,213	7,694	18.20	19.88	18 46	103	155
1887.....	6,380	1.992	8 372	17.24	29.73	19.16	1887.....	7,765	1,262	9,027	17.74	18.83	20.65	146	224
1888	6,894	2 042	8,936	16 26	26.50	17.87	1888.....	7,500	1,225	8,725	17.70	15.92	17.45	134	220
1889.....	6,819	1 884	8,703	16.06	24.47	17.40	1889.....	8,102	1,263	9,365	19 25	16.40	18.73	156	205
Totals..	66,184	19,774	85,958	.....	.....	.....	Totals..	43,379	7,207	50,586	.....	.....	.....	775	1,148
Average	6,618	1,977	8,596	18.12	31.66	20.17	Average.	7,229	1,201	8,431	18.55	18.02	18.92	129	191
1890.....	8,057	2,141	10,198	20.98	30.15	22.41	1890.....	8,226	1,172	9,398	21.58	16.50	20.65	180	230

A. R. CARTER, *Secretary Board of Health.*

TABLE E.

Showing the Mortality from Cancer in the City of Baltimore for Six Decades, 1830–1889 inclusive; also the Population by United States Census at the beginning of each Decade, as compared with the year 1890.

Year.	Population U. S. Census.	Decade.	Mortality from Cancer.
1830	80,990	1830–1839	81
1840	102,513	1840–1849	135
1850	169,054	1850–1859	193
1860	212,418	1860–1869	389
1870	267,354	1870–1879	1,059
1880	332,313	1880–1889	1,920
1890	434,439		
Taken by Police	455,427	Total mortality	3,777

Averaging 630 deaths per decade, or 63 per annum.

Total number of deaths from Cancer for year 1890—276.

A. R. CARTER, *Secretary Board of Health.*

TABLE F.

Baltimore's Longevity during Year 1890.

319	White Male	Decedents	between	70 and	95	years.	Total years	24,466,	averaging	76	years 8	months.
442	White Female	"	"	70 and 106	"	"	"	34,645,	"	78	" 4	"
31	Colored Male	"	"	70 and 108	"	"	"	2,455,	"	79	" 2	"
67	Colored Female	"	"	70 and 114	"	"	"	5,567,	"	83	" 1	"
859	Decedents.						Total years,	67,133	Average,	78	years 2	months.

A. R. CARTER, *Secretary Board of Health.*

TABLE G.

Showing the Progress of Typhoid Fever in the City of Baltimore, covering a period of Sixteen Years, 1875-1890 inclusive. Native and Foreign Whites, Males and Females; Colored Males and Females.

Year.	Native Whites.		Foreign Whites.		Combined Whites.		Native Colored.		White & Col'd Combined.		Grand Total.	Temperature.			Population.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Combined.	Mean.	Max.	Min.	White.	Colored.
1875	65	45	18	16	83	61	18	17	101	78	179	53.1°	97°	1.5°	*Estimated.* 257,000	42,834
1876	53	56	26	21	79	77	10	12	89	89	178	54.9°	99°	1.0°	262,583	43,747
1877	64	65	23	17	87	82	19	22	106	104	210	56.3°	95°	1.0°	268,137	44,689
1878	59	58	10	15	69	73	13	21	82	94	176	57.1°	98°	6.0°	273,704	45,618
1879	52	51	16	16	68	67	16	15	84	82	166	55.9°	99°	Zero.	279,273	46,545
															U. S. Census.	
1880	48	70	22	17	70	87	20	19	90	106	196	56.7°	99 3° b. "		278,584	53,729
1881	58	54	23	16	81	70	17	29	98	99	197	57.1°	101° 6° b. "		337,540	56,256
1882	53	54	15	17	68	71	16	15	84	86	170	55.7°	97°	7.0°	348,900	59,620
1883	37	34	25	11	62	45	9	10	71	55	126	55.1°	96°	11.0°	*Estimated.* 351,190	60,230
1884	55	31	25	13	80	44	9	18	89	62	151	52.2°	94.8°	8.0°	353,480	60,840
1885	70	35	20	11	90	46	8	11	98	57	155	53.9°	98 7°	3.4°	355,770	61,450
1886	50	37	14	16	64	53	15	18	79	71	150	53.5°	92.2°	1.1°	355,770	61,450
1887	43	43	14	19	57	62	21	16	78	78	156	54.6°	101.8°	7.3°	379,385	66,770
1888	47	50	25	14	72	64	13	11	85	75	160	53.1°	95.8°	9.2°	423,782	76,561
1889	60	65	17	10	77	75	19	20	96	95	191	55.8°	93°	3.0°	423,782	76,561
															434,439 *U. S. Cen.*	
1890	84	63	27	25	111	88	25	23	136	111	247	56.7°	98°	12.0°	384,394	71,033
T'ls.	898	811	310	254	1218	965	248	277	1466	1342	2808	.....	.....	.....	.....	.....
Y'ly Av.	56	51	19	16	139	60	16	17	92	84	176	55.1°	.....	.....	.....	.....

A. R. CARTER, *Secretary Board of Health.*

REPORT

OF THE

Assistant Commissioner of Health.

REPORT.

BALTIMORE, January 2, 1891.

GEORGE H. ROHÉ, M. D.,

President of the Board of Health
and Commissioner of Health:

SIR—I have the honor to submit the following report of the work performed by the Health Department for the year ending December 31, 1890:

An itemized account of the work will be found in the annexed tables. By reference to table A, it will be seen that the work performed by the Sanitary Inspectors exceeded that of the preceding year by four thousand nine hundred and forty-six (4,946) inspections.

During the past year, six thousand five hundred and fifty-five (6,555) cart loads of refuse, etc., were removed from sewers, inlets, covered gutters and ditches. A greater amount of work was accomplished in this particular during the past year than at any time in the history of the Department, and shows the necessity of giving liberal appropriations for the proper conduct of this branch.

Attention is again called to the necessity of dredging Jones' Falls. It is a matter of the utmost importance to keep this stream thoroughly dredged to prevent overflows and the nuisances that occur in consequence thereof.

Frequent attention having been called to the necessity of a revision of the statutes and ordinances pertaining to the proper conduct of this Department and the preservation of the public health, and no apparent attention given thereto, I have taken the liberty of preparing a sanitary code for presentation to the Mayor and City Council, with the earnest hope that it may meet with approval.

I desire to return thanks to the employés of the Health Department for their prompt and energetic performance of duty.

In conclusion, accept my sincere thanks for the many courtesies you have so kindly extended to me.

Respectfully,
Your obedient servant,

JAMES F. McSHANE, M. D.,
Assistant Commissioner of Health.

TABLES.

TABLE A.

Number of Nuisances examined and abated by Sanitary Inspectors during the year 1890.

Alleys cleaned	227
Alleys repaired	290
Alleys paved	233
Premises cleaned	107
Vacant lots cleaned	126
Vacant lots drained	57
Vacant lots filled	58
Manure pits constructed	75
Manure pits reconstructed and repaired	49
Manure pits cleaned	81
Drain pipes reconstructed and repaired	327
Drain pipes cleaned	42
Drain pipes laid	1,121
Yards cleaned	169
Yards drained	145
Yards repaired	77
Yards paved	35
Privies inspected and ordered cleaned	1,969
Privies reconstructed	416
Privies ventilated	103
Water closets repaired and ventilated	411
Excavating apparatus inspected	14
Cellars drained or filled	145
Cellars cleaned	68
Amount carried forward	6,345

Amount brought forward	6,345
Slaughter houses inspected	29
Stables reconstructed	36
Water pipes and hydrants repaired	181
Gutters repaired	130
Rain spouts reconstructed	54
Grass and weeds removed from gutters	73
Ice ponds examined and permits granted	13
Ice ponds examined and permits refused	3
Tenements ordered cleaned and whitewashed	60
Samples of pump water examined	19
Cases of infectious diseases examined	2,997
Goods destroyed from infected houses	43
Causes of death examined	291
Steamships visited and examined	64
Mattresses destroyed from steamships	25,182
Scow loads of refuse, etc., removed from steamships and destroyed	50
Number of patients sent to hospital	5
Complaints examined, and no nuisance found to exist	194
Infected premises fumigated	169
Miscellaneous	140
	36,038

JAMES F. McSHANE, M. D.,
Assistant Commissioner of Health.

TABLE B.

Number of Notices, Orders, etc, issued from the Health Department, and number of official letters written and received during the year 1890.

Number of notices issued to clean privies	14,345
Number of notices issued to clean, repair, repave and pave yards	423
Number of notices issued to clean, bail, drain or fill cellars	315
Number of notices issued to clean, grade, pave and repair alleys	1,209
Number of notices issued to clean, drain or fill lots	293
Number of notices issued to reconstruct and ventilate water closets and privies	137
Number of notices issued to clean grass and weeds from gutters, sidewalks, streets, etc	329
Number of notices issued to clean and properly construct manure pits and remove manure	157
Number of notices issued to repair hydrants and water pipes	99
Number of notices issued to clean and reconstruct stables	53
Number of notices issued to construct proper drainage, repair and clean drain pipes	237
Number of notices issued to disinfect premises	35
Number of notices issued to reconstruct and repair defective plumbing	143
Miscellaneous notices	87
Total	17,862

TABLE B—Concluded.

Number of permits issued to clean privies	43,989
Number of permits issued to clean privies at night	39
Total	44,028
Number of official letters written	855
Number of official letters received	893

JAMES F. McSHANE, M. D.,
Assistant Commissioner of Health.

TABLE C.

Number of Interments in the Eastern and Western Public Cemeteries during the year 1890.

EASTERN PUBLIC CEMETERY. G. RINEHART, *Superintendent.*		WESTERN PUBLIC CEMETERY. GEORGE E. BROWN, *Superintendent.*	
January	23	January	17
February	15	February	18
March	26	March	15
April	31	April	15
May	18	May	28
June	26	June	31
July	22	July	24
August	16	August	23
September	15	September	21
October	15	October	25
November	16	November	23
December	12	December	24
	235		264

Total number of interments during the year 1890..... 499

JAMES F. McSHANE, M. D.,
Assistant Commissioner of Health.

TABLE D.

Number of Dead Animals, etc., removed in the Eastern and Western Districts during the year 1890.

EASTERN DISTRICT. George Rinehart, *Superintendent.*		WESTERN DISTRICT. George E. Brown, *Superintendent.*	
Dogs	3,127	Dogs	2,997
Cats	4,923	Cats	6,002
Rats	4,569	Rats	3,800
Chickens	4,357	Chickens	4,150
Ducks	343	Ducks	360
Geese	93	Geese	40
Goats	37	Goats	92
Sheep	7	Sheep	15
Calves	15	Calves	11
Hogs	23	Hogs	35
Horses and Mules	5	Horses	7
Fish	7,983	Fish	5,624
Crabs	5,321	Crabs	6,700
Decayed meat (lbs.)	297	Decayed meat (lbs.)	500
Decayed eggs (doz.)	475	Decayed eggs (doz.)	621
Cart loads of vegetables and other offal removed from various docks	1,317		

Total number of dead animals	25,665
Total number of dead fowls	9,343
Total number of dead fish and crabs	25,628
Total number of pounds of decayed meat	797
Total number of dozens of decayed eggs	1,096
Total number of cart loads of vegetable and other offal removed from the various docks	1,317

JAMES F. McSHANE, M. D.,
Assistant Commissioner of Health.

TABLE E.

Showing amount of Night Soil delivered at Foley's and Winans' Dumps during the year 1890.

Foley's Wharf, Canton.	Loads.	Gallons.	Winans' Wharf, Spring Gardens.	Loads.	Gallons.
January	494	98,800	January . ..	2,227	445,400
February ...	360	72,000	February ..	2,275	455,000
March.....	499	99,800	March	4,079	815,800
April.....	1,103	220,600	April	8,366	1,673,200
May	1,016	203,200	May.....	6,166	1,233,200
June	915	183,000	June.....	4,880	976,000
July	835	167,000	July.....	3,247	649,400
August	683	136,600	August	2,853	570,600
September..	599	119,800	September .	2,831	566,200
October	627	125,400	October....	2,959	591,800
November ..	535	107,000	November..	2,411	482,200
December ..	363	72,600	December..	1,726	345,200
	8,029	1,605,800		44,020	8,804,000

Total number of loads delivered at both dumps. 52,049

Total number of gallons " " " 10,409,800

JAMES F. McSHANE, M. D.,
Assistant Commissioner of Health.

TABLE F.

Transcripts from the Records of Births and Deaths during the year 1890.

FROM THE RECORDS OF DEATHS.

For pension claims	748
For life insurance claims	97
As evidence in court	11
To prove other claims	20
To complete family record	13
To be sent to Germany to prove death	31
To be sent to Russia to prove death	3
To be sent to Italy to prove death	3
To be sent to Ireland to prove death	2
To be sent to Australia to prove death	2
To be sent to Porto Rico to prove death	1
	1
Total	932

FROM THE RECORD OF BIRTHS.

For pension claims	72
To prove birth	14
To send to Germany	2
To send to France	1
Total	89

JAMES F. McSHANE, M. D.,
Assistant Commissioner of Health.

TABLE G.

Report of the Vaccine Physicians for the year ending December 31st, 1890.

Wards.	Physicians.	Offices or Residences.	Number of Calls.	Number of Vaccinations.	Primary.	Secondary.	Successful.	Failed.	Not heard from.	Males.	Females.	White.	Colored.	Re-Vaccinated.	Certificates of Vaccination given.
1st and 2d	N. L. Dashiell, Jr.	700 S. Broadway	1,924	1,642	851	791	775	70	797	803	839	1,588	54	..	683
3d " 4th	C. F. Maguire	111 S. Exeter street	2,366	304	297	7	232	60	12	144	160	269	35	..	265
5th " 6th	John Davis	2102 Orleans street	2,000	549	490	59	502	44	3	261	288	499	50	..	961
7th " 8th	J. B. Saunders	819 E. Chase street	5,683	1,131	1,117	14	903	35	193	616	515	995	136	6	3,741
9th " 10th	August Horn	697 W. Mulberry st.	5,724	1,091	1,021	70	860	20	211	436	655	450	641	..	869
11th " 12th	T. P. McCormick	1421 Eutaw Place	2,433	525	516	9	402	28	95	256	269	242	283	16	266
13th " 14th	J. C. Wunder	1303 Hollins street	4,147	1,279	1,035	244	1,072	120	87	584	695	820	459	40	999
15th " 16th	Joseph Blum	641 Columbia ave	2,664	832	623	209	581	217	34	513	319	470	362	..	432
17th " 18th	H. Stark	1110 Hanover street	4,345	1,992	1,240	752	1,790	80	122	1,173	819	1,914	78	..	4,196
19th " 20th	M. K. Warner	901 N. Stricker st	2,450	780	685	95	650	130	.....	385	395	420	360	..	500
21st	J. B. Mullins	931 Frederick ave	1,059	308	141	167	38	35	235	165	143	284	24	..	351
22d	H. I. Prentiss	403 Waverly ave	4,743	848	408	440	567	192	89	440	408	641	207	..	3,261
Totals			36,988	11,281	8,424	2,857	8,372	1,031	1,878	5,876	5,505	8,592	2,689	62	16,524

Total number of calls 36,988

Total number of vaccinations 11,281

JAMES F. McSHANE, M. D.,

Assistant Commissioner of Health.

REPORT

OF THE

Resident Physician of the Quarantine Hospital.

REPORT.

QUARANTINE HOSPITAL—PORT OF BALTIMORE.
January 1st, 1891.

To the Honorable the Mayor and
City Council of Baltimore.

GENTLEMEN:

I have the honor to herewith submit the report of the Quarantine and Pest Hospital for the year ending December 31st, 1890.

Since the removal of the Quarantine to its present location, the old Quarantine, now the Pest Hospital, has remained under the supervision of the quarantine physician. The farm attached has been worked and has helped to supply the new hospital with vegetables, provender, &c., a farmer and laborer having been retained there for that purpose.

The buildings, with the exception of four barracks, are in a most dilapidated state, and should an epidemic occur the uninhabitable condition of this important adjunct to the City government would greatly embarrass the Health Department. The wharf attached is dangerous even to

walk upon. In fact, the place is rapidly falling into decay. In view of these facts, I most earnestly recommend that a committee from your Honorable body visit and inspect this hospital to enable you to see its actual needs.

The retaining wall which surrounds the Quarantine was completed the past year, under the supervision of the Engineer of the Harbor Board. The grading of the bank has also been finished and set in grass, which will, I think, prevent any washing in the future.

The opening of the Pennsylvania Steel Works at Sparrows' Point, some five miles below the Quarantine Station, necessitated the addition of another boat for the prompt boarding of vessels arriving with iron ore from foreign ports. A very comfortable steam launch was built for that purpose, which will, I think, prove a valuable adjunct to this department.

Much has been done the past year in improving the grounds attached to this hospital. The buildings have been painted, a boat-house for the protection of the launch has been built, and the place has been inclosed by a suitable fence, and the grounds now present a neat and attractive appearance.

Five hundred and fourteen vessels have been boarded and inspected during the year. (See Table I.) And from these vessels we have collected and paid into the City treasury the sum of $4,692.83. (See Table II.)

Table III shows the number and class of vessels with sickness on board or from infected ports, detained at Quarantine for cleansing and disinfecting. There were only two in all. This, I think, shows great improvement in the sanitary condition of shipping in the past few years.

By referring to Table IV, you will find that only one patient was treated at this hospital during the year. The patient was a child taken from a steamship; its mother and aunt were quarantined.

The cost of maintaining the Quarantine and Pest Hospital for the year was $17,973.11, as more fully shown by the Health Commissioner's Report. The appropriation for the two places was $18,000, which leaves a surplus of $26.89.

In conclusion, I beg to return my thanks to Dr. J. W. Branham for his intelligent assistance, and to say that the employees of the place have performed their duties in a manner deserving the highest praise.

Very respectfully,

Your obedient servant,

SYDNEY O. HEISKELL,

Quarantine Physician.

TABLES.

TABLE I.

Showing the number and class of vessels boarded and inspected at the Quarantine for the year ending December 31st, 1890.

Months.	CLASS OF VESSELS.					
	Steamships.	Ships.	Barks.	Brigs.	Sloops and Schooners.	Total.
January	3	.....	.....	.....	.....	3
February	3	.....	.....	.....	.....	3
March	4	.....	1	1	.....	6
April	5	1	.....	.....	.....	6
May	43	.....	6	2	44	95
June	28	.....	3	2	69	102
July	43	.....	6	1	38	88
August	43	1	5	1	16	66
September	36	2	4	1	23	66
October	36	2	6	1	21	66
November	7	.....	.....	.....	.....	7
December	6	.....	.....	.....	.....	6
Total	257	6	31	9	211	514

TABLE II

Showing the amount of money received for Quarantine fees and paid to the City Register for the year ending December 31st, 1890.

Months.	CLASS OF VESSELS.					Total.
	Steamships.	Ships.	Barks.	Brigs.	Sloops and Schooners.	
January	$ 52 62					52 62
February	63 34					63 34
March	56 99		6 54			63 53
April	125 25	18 78				144 03
May	634 35		36 53	7 31	120 10	798 29
June	358 16		22 65	9 90	193 35	584 06
July	603 22		36 12	4 35	123 28	766 97
August	595 38	14 00	31 87	4 74	57 47	703 46
September	520 07	37 39	24 74	4 35	94 08	680 63
October	441 79	33 54	33 20	2 96	92 17	603 66
November	123 38					123 38
December	108 86					108 86
Total	$3,683 41	$103 71	$191 65	$33 61	$680 45	$4,692 83

TABLE III.

Showing the number and class of vessels detained at Quarantine for cleansing and disinfecting for the year ending December 31st, 1890.

Months.	CLASS OF VESSELS.					
	Steamships.	Ships.	Barks.	Brigs.	Sloops and Schooners.	Total.
January						
February						
March						
April		1				1
May	1					1
June						
July						
August						
September						
October						
November						
December						
Total	1	1				2

TABLE IV.

Showing the number of patients treated at the Quarantine Hospital for the year ending December 31st, 1890.

Disease.	Remaining over from 1889.	Received in 1890.	Discharged in 1890.	Remaining in Hospital.	Died in 1890.	Total.
Small Pox	.....	1	1	.....	.....	1
Quarantined	.....	2	2	.....	.....	2
Total	.....	3	3	.....	.....	3

REPORT

OF THE

Inspector of Plumbing.

REPORT.

BALTIMORE, January 2, 1891.

GEORGE H. ROHÉ, M. D.,
President of the Board of Health
and Commissioner of Health:

SIR—I respectfully submit the seventh annual report of the work performed by me as Inspector of Plumbing for the year ending December 31, 1890.

The tables accompanying this report will show in detail the number of permits issued, inspections made, etc.

I respectfully inform you that, in conformity with the requirements of section 7 of the ordinance creating this office, cost was imposed upon two builders for violation of its provisions.

The suggestions and recommendations made in this report, I sincerely hope will meet with your approval. I would invite your attention to one very important matter comprising a part of the duties of this office, and that is the procurement and preservation of the plans of the

plumbing and drainage work of houses. When the system was inaugurated, one of the objects in view was that of securing a *record*, from which in after years a citizen might obtain a perfect statement in *outline* of the drainage system of every house which he might then occupy or desire to secure. This office should be provided with every facility for the safe keeping and ready reference of the same. Indices, according to either street or square, should be made and a blank form be provided for plans, that they may be preserved in uniform shape.

I earnestly hope that some legislation may be enacted that will prevent the construction of the ancient and abominable system of privy pits. They cannot be too strongly condemned, and every effort should be made to restrict the present mode of construction. With their reeking odors and far-reaching saturation of the earth beneath our homes, they are promoters of disease and a source of danger to health.

There has been great improvement in plumbing work in the past few years, if we except the continual use of the old pan water-closet, to which some builders and property owners still cling. Its chief advantage is cheapness, its chief disadvantage is the odor that usually attends its use. The most offensive part of the pan-closet is the receiver or cast-iron container under the bowl. The solids gradually accumulate on its sides; this filth undergoes decomposition, and the gases that are confined between the pan and the

trap escape into the apartment whenever the closet is used. As long as a house is fitted up with a pan water-closet, it may be said not to have reached the standard of safety. It is not and can never be made a safe water-closet.

In conclusion, accept my thanks for the kindness extended me by detailing an inspector of this department to supervise the work of laying drain pipes. This gentleman has performed his duties very satisfactorily and has aided me greatly.

Also accept my earnest thanks for your support in my efforts to execute the duties of my office.

Very respectfully submitted,

JOHN W. LEE,
Inspector of Plumbing.

TABLES.

TABLE No. 1.

Plans received and Permits granted for Plumbing work during the year ending December 31st, 1890.

Months.			Months.			Totals.
January	New Buildings.....	36	January	Old Buildings....	58	94
February ...	" "	40	February ...	" "	46	83
March.....	" "	45	March	" "	65	110
April	" "	56	April	" "	74	120
May.....	" "	70	May	" "	61	131
June	" "	60	June.....	" "	50	110
July.....	" "	55	July	" "	45	100
August	" "	69	August	" "	48	117
September..	" "	59	September ..	" "	62	121
October.....	" "	67	October.....	" "	76	143
November ..	" "	92	November ..	" "	53	145
December...	" "	47	December...	" "	62	109
Total.....		696	Total.....		700	1,396

Permits issued to lay drains.....	1,121
" " " repair drains.....	327
" " " " soil pipes.....	411
Total.....	1,859

JOHN W. LEE,
Inspector of Plumbing.

TABLE No. 2.

Number of Inspections of Plumbing Work during the year 1890.

Months.	First Inspection.	Second Inspection.	Third Inspection.	Totals.
January	81	60	22	163
February	49	32	20	101
March	92	27	53	172
April	110	25	35	170
May	111	35	27	173
June	125	68	47	240
July	135	71	53	259
August	57	32	27	116
September	126	52	73	251
October	135	57	37	229
November	61	20	47	128
December	95	70	55	220
Total	1,177	549	496	2,222

JOHN W. LEE,
Inspector of Plumbing.

REPORT

OF THE

Medical Examiners.

REPORT.

BALTIMORE, December 31, 1990.

TO DR. GEO. H. ROHÉ,

President Board of Health :

DEAR SIR—The Medical Examiners beg leave most respectfully to report that sixty-six (66) post-mortem examinations have been made during the past year (1890); of these twenty-two (22) have necessitated attendance in the courts of Baltimore City or County, in eight (8) additional cases the coroner's inquest exonerated the accused; in the remaining thirty-six (36) the obscurity of cause of death was dispelled and allegations of criminality disproved, so that the authorities declined further procedure, thus obviating the expense of harassing and useless litigation.

Last March, by ordinance of the Mayor and City Council, the former method of post-mortem examination, in which each Examiner acted singly and alone, was replaced by the present system, which, requiring the presence of both Examiners, places the obtaining of evidence upon a surer basis than the uncertainty of a single life or error of a single judgment.

N. G. KEIRLE, M. D.,
Medical Examiner.
J. B. SCHWATKA, M. D.,
Assistant Medical Examiner.

REPORT

OF

THE SECRETARY.

TABLE No. 1.

Salary Account for the Year 1890.

Dr.		Appropriation, $33,300.		Cr.
To 15 Warrants on Comptroller	$32,950 24	By 1 voucher—January 1st		$2,383 29
		" 1 " February 1st		2,383 40
		" 1 " March 1st		3,308 28
		" 1 " March 7th		6 45
		" 1 " March 8th		8 07
		" 1 " March 12th		16 13
		" 1 " April 1st		2,352 76
		" 1 " May 1st		2,458 40
		" 1 " June 2d		3,391 74
		" 1 " July 1st		2,466 61
		" 1 " August 1st		2,466 74
		" 1 " September 1st		3,391 61
		" 1 " October 1st		2,458 40
		" 1 " November 1st		2,466 61
		" 1 " December 1st		3,391 75
To 15 Warrants on Comptroller	$32,950 24	By 15 vouchers		$32,950 24
To unexpended balance	349 76	By balance		349 76
	$33,300 00			$33,300 00

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 2.

General Health Account for the Year 1890.

DR. APPROPRIATION, $15,368.02. CR.

To 354 Warrants on Comptroller	$14,644 62	By 12	vouchers—	Interments E. P. Cemetery.	$1,182 25
		" 12	"	" W. P. Cemetery.	1,302 00
		" 37	"	Coffins	1,592 75
		" 3	"	Horses	263 50
		" 34	"	Wagons, harness & repairs	1,027 12
		" 1	"	Head boards	135 00
		" 6	"	Repairs public cemeteries.	228 93
		" 25	"	Vaccine virus	1,147 50
		" 19	"	Telephones & messengers.	419 69
		" 30	"	Livery	565 25
		" 53	"	Postage stamps and cards.	455 87
		" 14	"	Books, papers & advertis'g.	74 03
		" 25	"	Infected articles destroyed.	529 28
		" 19	"	Removing filth from docks	4,277 00
		" 8	"	Abating nuisances	124 21
		" 2	"	Tools	25 91
		" 5	"	Disinfectants	65 38
		" 3	"	Analyses	90 00
		" 1	"	Lithographs	50 00
		" 1	"	Annual report	430 00
		" 2	"	Traveling expenses	104 05
		" 35	"	Sundry small bills	103 30
		" 7	"	Salary of Disinfector	451 60
To 354 Warrants on Comptroller	$14,644 62	By 354 vouchers			$14,644 62
To unexpended balance	723 40	By balance			723 40
	$15,368 02				$15,368 02

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 3.

Nuisance and Sewer Account for the year 1890.

Dr.	Appropriation, $10,091.02.			Cr.
To 195 Warrants on Comptroller	$10,054 87	By 53 vouchers	—H. Paff, sewer work	$4,293 59
		" 53 "	M. F. Gorman, sewer work	4,103 54
		" 14 "	Livery	249 25
		" 8 "	Horse shoeing	34 00
		" 2 "	Rent of shed	72 00
		" 3 "	Acid	144 00
		" 22 "	Tools	298 95
		" 18 "	Repairs	151 30
		" 4 "	Lime	33 00
		" 18 "	Abating nuisances	675 24
To 195 Warrants on Comptroller	$10,054 87	By 195 vouchers		$10,054 87
To unexpended balance	36 15	By balance		36 15
	$10 091 02			$10,091 02

A. R. CARTER, *Secretary Board of Health.*

Contract for the removal of Refuse from Packing and Canning Houses.

Dr.	Appropriation.			Cr.
To 2 Warrants on Comptroller	$2,000 00	By 1 voucher	—January 9th, Dougherty & Co.	$1,333 33
		" 1 "	May 15th, Dougherty & Co.	666 67
To 2 Warrants on Comptroller	$2,000 00	By 2 vouchers		$2,000 00

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 4.

Account of Quarantine Hospital of the Port of Baltimore for the year 1890.

Dr.		Appropriation, $18,000.00.		Cr.
To 130 Warrants on Comptroller	$17,973 11	By 12 vouchers—Pay rolls		$11,534 00
		" 4 " Insurance		242 90
		" 12 " Groceries		891 78
		" 12 " Provisions		1,433 59
		" 13 " Coal		843 12
		" 13 " Ice		278 05
		" 15 " Repairs		1,154 76
		" 13 " Supplies		505 02
		" 8 " Seed and Fertilizers		193 08
		" 4 " Lumber		178 99
		" 1 " Fencing		90 75
		" 3 " Medicine		14 11
		" 1 " Oyster shells		75 00
		" 1 " Piles		50 63
		" 4 " Feed		174 31
		" 2 " Flags		33 50
		" 3 " Tools		55 10
		" 1 " Cow		30 00
		" 1 " Eagle		19 30
		" 3 " Sundry small bills		45 00
		" 2 " Bedding		56 25
		" 1 " Upholstering		51 62
		" 1 " Carpets		22 25
To 130 Warrants on Comptroller	$17,973 11	By 130 vouchers		$17,973 11
To unexpended balance	26 89	By balance		26 89
	$18,000 00			$18,000 00

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 5.

Post Mortem Medical Examiners' Accounts for the year 1890.

DR.		APPROPRIATION, $1,500 00.		CR.
To 21 Warrants on Comptroller	$1,381 20	By 1 voucher—Feb'y 22d, S. V. Hoopman		$125 00
		" 1 " Feb'y 22d, N. G. Keirle		125 00
		" 1 " March 12th, S. V. Hoopman		19 20
		" 1 " March 12th, N. G. Keirle		19 21
		" 1 " April 10th, N. G. Keirle		61 85
		" 1 " May 2d, N. G. Keirle		83 33
		" 1 " May 2d, J. B. Schwatka		72 60
		" 1 " June 2d, J. B Schwatka		41 67
		" 1 " June 2d, N. G. Keirle		83 34
		" 1 " July 1st, N. G. Keirle		83 33
		" 1 " July 1st, J. B. Schwatka		41 66
		" 1 " Aug. 1st, N. G. Keirle		83 34
		" 1 " Aug. 1st, J. B. Schwatka		41 67
		" 1 " Sept. 1st, N G. Keirle		83 33
		" 1 " Sept. 1st, J. B Schwatka		41 66
		" 1 " Oct. 1st, N. G. Keirle		83 34
		" 1 " Oct. 1st, J. B. Schwatka		41 67
		" 1 " Nov. 1st, N. G. Keirle		83 33
		" 1 " Nov. 1st, J. B. Schwatka		41 66
		" 1 " Dec. 1st, N. G. Keirle		83 34
		" 1 " Dec. 1st, J. B. Schwatka		41 67
To 21 Warrants on Comptroller	$1,381 20	By 21 vouchers		$1,381 20
To unexpended balance	118 80	By Balance		118 80
	$1,500 00			$1,500 00

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 6.

Expenditures on Account of City Annex for the year 1890.

Appropriations for Salaries, $2,600.00. Nuisances and Sewers, $1,812.00.

Dr.		Salaries.		Cr.
To 13 Warrants on Comptroller	$2,600 00	By 1 voucher—January 1st		216 64
		" 1 " February 1st		216 68
		" 1 " March 1st		216 68
		" 1 " April 1st		216 64
		" 1 " May 1st		216 64
		" 1 " June 2d		216 68
		" 1 " July 1st		216 64
		" 1 " August 1st		216 64
		" 1 " September 1st		216 64
		" 1 " October 1st		216 68
		" 1 " November 1st		203 20
		" 1 " November 7th		13 44
		" 1 " December 1st		216 80
To 13 Warrants on Comptroller	$2,600 00	By 13 vouchers		$2,600 00

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 6—Concluded.

NUISANCES AND SEWERS.

DR.		CR.	
To 35 Warrants on Comptroller	$1,694 01	By 12 vouchers—Removing dead animals	679 00
		" 12 " Removing dead animals	612 50
		" 9 " Sewer work	263 50
		" 1 " Sewer work	64 01
		" 1 " Cleaning cesspools	75 00
To 35 Warrants on Comptroller	$1,694 01	By 35 vouchers	$1,694 01
To unexpended balance	117 99	By balance	117 99
	$1,812 00		$1,812 00

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 7.

Statement of Appropriations to, Expenditures by, and Unexpended Balances of the Health Department for the Year 1890.

APPROPRIATIONS.

Salaries	$33,300 00
General Health	15,368 02
Nuisances and Sewers	10,091 02
Quarantine Hospital	18,000 00
Post Mortem Medical Examiners	1,500 00
Contract for Removing Canning-House Refuse	2,000 00
	$80,259 04

EXPENDITURES.

Salaries	$32,950 24
General Health	14,644 62
Nuisances and Sewers	10,054 87
Quarantine Hospital	17,973 11
Post Mortem Medical Examiners	1,381 20
Contract for Removing Canning-House Refuse	2,000 00
	$79,004 04

UNEXPENDED BALANCES.

Salaries	$349 76
General Health	723 40
Nuisances and Sewers	36 15
Quarantine Hospital	26 89
Post Mortem Medical Examiners	118 80
	$1,255 00

TABLE No. 7—Concluded.

CITY ANNEX—APPROPRIATIONS.

Salaries	$2,600 00
Nuisances and Sewers	1,812 00
	$4,412 00

EXPENDITURES.

Salaries	$2,600 00
Nuisances and Sewers	1,694 01
	$4,294 01

UNEXPENDED BALANCE.

Nuisances and Sewers	$117 99

A. R. CARTER,
Secretary Board of Health.

TABLE No. 8.

Annual report of Deaths from all causes in the City of Baltimore for the year 1890.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Abscess											1		1
" of Breast	1												1
" " Pelvis	1				2			1		1		1	6
" " Liver	1	2	2		1	1		3	1		1		12
" " Head		1											1
" " Antrum		1											1
" " Kidney		1			1								2
" " Bladder		1											1
" " Brain			1			1	1						3
" " Groin						1							1
" " Bowels								1					1
" " Psoas									1	1		1	3
" " Side										1			1
" Thoracic							1						1
" Perinephritic								1					1
" Pulmonary										1			1
" Ovarian										1			1
" Peri Splenic											1		1

Albuminuria	1	3	4	....	1	1	....	1	1	1	1	....	14
Anæmia	1	....	....	....	....	1	....	....	....	....	....	....	2
" Pernicious	1	....	....	1	....	....	....	....	....	....	1	1	4
Aneurism of Aorta	2	1	....	....	1	1	....	1	2	....	....	3	11
" " Abdomen	1	....	....	....	....	....	....	....	....	....	....	....	1
Angina Pectoris	....	5	2	1	2	3	5	1	2	1	5	4	31
Apoplexy	12	10	20	13	15	15	20	15	25	21	25	13	204
Asphyxia	2	....	....	....	4	....	....	3	1	....	2	1	13
Asthma	9	4	11	8	....	4	....	3	3	3	6	4	55
Asthenia	10	6	11	4	6	5	8	5	6	3	5	5	74
Atelectasis Pulmonum	1	2	1	1	....	....	2	1	1	2	1	....	12
Acute Yellow Atrophy of Liver	1	....	....	....	....	....	....	....	....	....	....	....	1
Abortion	....	2	....	....	....	....	2	....	....	....	1	....	5
Arterial Sclerosis	....	....	2	....	....	....	....	....	....	1	....	....	3
Atheroma	....	....	1	....	....	....	1	....	....	....	....	....	2
Ascites	....	....	1	....	2	1	1	1	....	1	2	....	9
Anthrax	....	....	....	....	1	....	....	....	....	....	....	....	1
Amputation	....	....	....	....	....	....	....	2	....	....	....	....	2
Appendicitis	....	....	....	....	....	....	....	....	....	2	1	....	3
Atrophy	....	....	....	....	....	....	....	....	....	1	1	....	2
" of liver	....	....	....	....	....	....	....	....	....	....	1	....	1
Adenitis	....	....	....	....	....	....	....	....	....	....	1	....	1
Adynamia	....	....	....	....	....	....	....	....	....	....	1	....	1
Bright's Disease	17	15	18	15	28	19	6	12	12	19	10	16	187
Burns	2	2	3	....	....	....	1	....	....	3	3	8	22
Biliary Obstruction	....	....	....	....	....	....	....	....	....	1	....	....	1

TABLE No. 8—Continued.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Cancer					1								1
" of Brain	1												1
" of Neck	1		1					1		1		2	6
" of Jaw	1			2									3
" of Tongue	2			1	1							1	5
" of Breast	4	4	3	1	1	2	4	5	2	1		3	30
" of Œsophagus	1		1		1			1					4
" of Duodenum	1												1
" of Liver	1	2	1	2	3	2		5	1	1	6	1	25
" of Stomach	6	4	6	5	8	7	5	10	3	4	3	3	64
" of Ovaries	1									1			2
" of Rectum	1	2			2		1					1	7
" of Bladder	1							1		1			3
" of Uterus	8	7	8	8	8	5	5	5	8	7	8	9	86
Cancer, Diffused		1										1	2
" of Abdomen			3	2	1	1			1	3		1	12
" of Omentum			1				1						2
" of Pylorus				1									1
" of Larynx				1	1							1	3

Cancer of Pelvis					1			1					2
" of Vulva					1								1
" Ventricular					1								1
" of Mesenteric Glands					1								1
" of Palate					1								1
" of Pharynx						1							1
" of Parotid Gland						1							1
" of Face							1	1					2
" of Gall Bladder							1						1
" of Penis								1					1
" of Lip									1			1	2
" of Kidney									1			1	2
" of Colon										1			1
" of Eye											1		1
Cæsarean Section											1		1
Consumption of Lungs	135	114	132	107	114	75	83	112	83	77	107	110	1,249
Convulsions	31	33	34	28	35	30	15	27	23	18	17	20	311
" Puerperal	1	3		2	2		1	1	1	2	4	2	19
Capillary Bronchitis	16	10	12	15	13	4	1	8	3	7	5	8	102
Catarrh		3	3		1								7
" Bronchial	3	2	2	1				2		1	3	1	15
" Intestinal										1			1
" Nasal										2			2
Calculus		1				1							2
" Biliary	2				1			1		1			5
Child Birth	1		3		1			3		2	3	2	15

TABLE No. 8—Continued.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Cholera Infantum					46	235	124	77	20	3	1	1	507
" Morbus						8	10	2	2	1			23
Cirrhosis of Liver	3	2	3	1	4	2	5	1	1	4		4	30
Concussion of Brain		1				1					1		3
Congestion of Brain	10	3	11	11	6	4	4	3	6	1	2	3	64
" of Lungs	13	14	7	4	7		3	4	4	5	6	5	72
" of Liver			1		1								2
Croup	9	2	10	3	1		1	1	3		6	9	45
Cyanosis	3		4	3	3	2	4	2	4		3	6	34
Colic		1	1				1	2					5
Congestive Chill			1	1	1						1		4
Cellulitis				3	2								5
Coxalgia						1							1
Chorea									1				1
Cramps										1			1
Disease of Heart	34	27	37	31	45	31	32	36	22	37	47	51	430
" of Spine		1			2		1						4
" of Hip			1		1								2
" of Liver			1						1				2

Disease of Brain											1		1
Dyspepsia								1		1	1	1	4
Dropsy, General	6	3		2	5	3			3	3	2	1	28
" Cardiac		1				1		2					4
Debility	2	1	3	3			1		2	2			14
Drowned	8	8	2	5	7	9	11	11	4	6	2		73
Dysentery	3	3	8	6	28	56	56	19	14	10	7	2	212
Dentition	12	6	10	8	21	19	6	19	13	4	7	3	128
Delirium Tremens	3	1	1			1					1	1	8
Diabetes	3	2	3	1	2	2		3	1	1		1	19
Diarrhœa	5	2	4	2	18	35	31	23	16	6	4	3	149
Diphtheria	26	18	24	16	21	7	13	24	15	27	43	40	274
Dystocia		1											1
Entero Colitis	1		3	1	20	29	20	26	10	6	3		119
Endocarditis	4	1		1	1	2	1		1	1	1	4	17
Epilepsy	1	3	2		2		1	1		3	1		14
Erysipelas	5	2	4	4	1	2		2			3	2	25
Effusion of Brain	1									1			2
Extra Uterine Pregnancy		2							1				3
Exposure		3	5	1	1						1		11
Embolism			1		1				1	1			4
Eczema					1		1						2
Empyema							1					1	2
Enlarged Prostate											1		1
Epistaxis												1	1
Fever, Malarial	2	3	3	2	5	6	3	6	7	7	3		47
" Typho-Malarial		3	5	3	1	3	6	7	6	5	12	3	54

TABLE No. 8—Continued.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Fever, Cerebro Spinal	2	7	....	2	3	2	4	3	3	2	....	3	31
" Intermittent	....	....	....	....	1	....	2	....	....	....	1	....	4
" Puerperal	1	....	....	....	....	....	2	1	1	....	....	2	7
" Remittent	1	2	2	2	3	1	....	....	4	....	....	....	15
" Scarlet	2	2	5	5	5	4	7	....	....	3	5	4	42
" Typhoid	10	12	15	19	13	13	29	36	30	34	25	11	247
Fracture of Spine	1	1	....	....	....	....	1	....	....	....	....	....	3
" of Femur	1	....	....	....	....	1	1	....	1	1	....	2	7
" of Skull	2	1	2	....	1	....	....	1	1	1	1	1	11
" of Ribs	....	....	1	....	....	....	....	....	....	1	....	....	2
" of Humerus	....	....	....	....	....	....	1	....	....	....	....	....	1
" of Pelvis	....	....	....	....	....	....	....	2	....	....	....	....	2
Gastro-Enteritis	4	4	6	5	31	32	23	11	15	8	8	3	150
Gastro-Duodenitis	....	1	....	....	....	....	....	....	....	....	....	....	1
Gangrene, Senile	....	....	1	....	....	....	....	1	1	2	1	1	7
" Pernicious	....	....	....	....	....	....	....	....	1	....	....	....	1
" of Foot	....	....	....	1	....	....	....	....	....	....	....	....	1
Gout	....	....	....	....	1	....	....	....	1	....	....	....	2
Gall Stones	....	....	....	....	....	1	....	....	....	....	....	....	1

Glioma of Brain						1							1
Hemorrhage of Stomach	1		1						1		1		4
" of Uterus	1	1		1	1				3			1	8
" of Lungs	2	1	4	2	1		1		1	1	1	1	15
" of Brain	3	1	5	2	2	2	6	7	2	3	1	6	40
" of Navel	3		2				2	1	3			1	12
" of Bowels			1		1		1						3
" Post Partum					1			2					3
" of Bladder									1				1
Hernia		1	1	2		1		1					6
" Strangulated		1	4	3		2	1		1			2	14
Hydrothorax	1				1	1							3
Hæmoptysis	2						1	1				1	5
Hydrocephalus		2	2	1	2	1	2	3	3		2		18
Hysterectomy			1										1
Hernia, Congenital Cerebral			1										1
Hæmatemesis			1			1			1	1	1		5
Hyperæmia						1							1
Indigestion	3					4			2	1		1	11
Inanition	4	15	16	8	24	24	24	16	9	9	10	13	172
Insanity	3		1		2	1	3	1	1		1		13
Intemperance	3		2	1	2	1	1	1	1			4	16
Influenza		10	5		2								17
Intussusception		1	1	2	1	4	3		4	1	3		20
Ischuria			2										2
Infanticide				1				2				2	5

TABLE No. 8—Continued.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Insolation	....	....	....	....	....	1	....	....	....	....	....	....	1
Inflammation of Pleura.	3	2	1	1	....	3	1	....	....	....	3	4	18
" of Brain	3	3	....	2	4	5	3	2	4	3	7	4	40
" Bladder	2	6	1	2	4	3	1	1	....	3	5	3	31
" Bowels	4	5	12	3	9	24	11	17	6	5	4	5	105
" Stomach	11	5	5	3	7	9	3	7	7	12	10	8	87
" Bronchi	22	22	23	20	18	11	15	20	14	15	25	25	230
" Kidneys	5	11	13	5	7	9	6	7	5	7	16	11	102
" Larynx	....	1	4	....	2	1	1	1	....	6	2	1	19
" Liver	1	....	1	2	3	1	2	2	1	1	3	1	18
" Pericardium	....	3	....	....	1	1	3	2	....	....	....	1	11
" Peritoneum	7	2	13	7	11	5	5	13	2	4	7	2	78
" Tonsils	1	....	....	....	....	....	3	....	1	1	1	1	8
Jaundice	....	....	1	2	1	3	2	3	2	....	1	3	18
Laparotomy	....	....	1	....	1	....	....	....	1	....	....	2	5
Leucocythæmia	....	....	....	....	....	....	1	....	....	....	....	1	2
Malformation	3	3	....	....	2	....	1	....	....	....	....	1	10
Mal-nutrition	1	....	2	1	1	7	10	1	3	3	1	1	31
Marasmus	16	18	16	17	32	51	37	42	26	21	20	13	309

Measles	31	37	83	39	31	19	6	1	1	....	....	....	248
Meningitis	13	8	14	14	16	19	15	15	12	8	17	9	160
" Tubercular	6	7	16	4	14	8	12	7	4	5	3	8	94
Murder	1	1	1	1	2	....	....	2	1	1	....	1	11
Morphiomania	1	....	....	....	....	....	....	....	....	....	....	....	1
Metritis	....	1	....	....	....	....	....	....	....	....	....	....	1
Malignant Pustule	....	1	....	....	....	....	....	....	....	....	....	....	1
Myelitis	....	....	1	1	....	1	1	....	....	..	....	....	4
Multiple Neuritis	....	....	1	1	....	....	....	....	1	....	....	....	3
" Sclerosis	....	....	....	....	....	....	....	....	....	1	....	....	1
Mumps	....	....	....	....	....	....	1	....	1	....	....	1	3
Menopause	....	....	....	....	....	....	....	....	....	....	1	....	1
Necrosis	1	2	1	....	....	1	1	....	....	....	1	....	7
Neurasthenia	....	1	1	1	....	1	2	....	1	1	....	....	8
Non Viable	....	....	1	....	....	....	....	....	....	....	....	....	1
Noma	....	....	....	....	....	....	....	1	....	....	....	....	1
Old Age	38	26	40	32	34	24	31	24	22	20	28	31	350
Oedema of Lungs	3	2	....	....	1	....	2	1	1	....	....	....	10
Otorrhagia	1	....	....	....	....	....	....	....	....	....	....	....	1
Ovariotomy	1	....	....	1	....	....	1	....	....	....	....	....	3
Otitis	....	....	1	....	....	1	1	....	....	....	....	....	3
Obstruction of the descending Vena Cava	....	....	1	....	....	....	....	....	....	....	....	....	1
Ovaritis	....	....	....	....	1	....	....	....	....	....	....	....	1
Otorrhœa	....	....	....	....	....	....	....	....	....	1	....	....	1
Puerperal Peritonitis	2	....	....	2	1	1	1	1	1	1	1	1	12
" Septicæmia	....	6	2	1	1	3	2	2	3	2	2	....	24

TABLE No. 8—Continued.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Puerperal Metritis			1										1
Paralysis	20	24	24	12	12	19	19	14	8	14	21	18	205
Pneumonia	185	98	127	100	103	44	15	26	18	38	60	106	920
" Typhoid	3	2	1	1	1			2	1	1	1		13
" Pleuro	2	1	5	1	1	3	1	1	1	1		1	18
" Broncho	4	4	7		2	5			1	2	3	2	30
Premature Birth	9	15	23	20	22	17	18	20	12	20	22	11	209
Prolonged Labor	1	1		1		2	2	1	1	1			10
Progressive Locomotor Ataxia	1					1	1	1			1	1	6
Pemphigus		1	1										2
Pyæmia		1	1			2	1			2			7
Poison			2		2	2	2		3		1		12
Pregnancy			1										1
Persistent Vomiting			1										1
Purpura					1				1	1			3
Proctitis					1								1
Pharyngitis					1								1
Potts' Disease							1		1		1		3

Periostitis							1	1					2
Prostatitis							1						1
Pyopneumothorax							1						1
Placenta Prævia								1	1	2	1		5
Perityphlitis										1			1
Rheumatism	3	2	7	3	4	1	1	2	1	4		2	30
" Inflammatory	3	3	6		4	2		2	2		1	1	24
Rhachitis		1											1
Rupture of Varicose Vein									1				1
Suffocation by Illuminating Gas	2		2								1		5
Scrofula	2		2	2	2	1			1	2	3	4	19
Softening of Brain	5	2	2	1	4	5	3	3	7	3	6	2	43
Stricture of Bowels	1	1	1	2	3	3	2	1	3		1		18
" of Pylorus					1								1
" of Oesophagus								1					1
Suicide	2	1	2	2	1	1	3	1	3	1	5	3	25
Syphilis	4	3	2	2		3	2	2		1	1		20
Scalds		1	1		1	4							7
Septicæmia		2	4	1	2		3	1	1		1		15
Spina Bifida		1			1								2
Stomatitis			3			2					2		7
Spinal Sclerosis					1		1					1	3
Sciatica							1						1
Sun Stroke							7	2					9

TABLE No. 8—Continued.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Sclerosis, Arterial												1	1
" Cerebral												1	1
Tetanus	1	1	1	1	1		2	1		1	1	2	12
Trismus Nascentium	2	2	2	3	4	2	4	2	7	2	3	2	35
Tumor, Ovarian	1	1	1	1	2	1			1	3	3	2	16
" Abdominal	1												1
" Gastric	1												1
" Cerebral		2	1			1	1	1			1		7
" Uterine							1						1
Tabes Mesenterica				1			3	1		1			6
Typhlitis							1	1					2
Tubercular Peritonitis										1			1
Tuberculosis of Knee Joint											1		1
Ulcer of Stomach	1	1		1		1	1		1	1	1	1	9
" of Rectum	1												1
" of Leg		1		1								1	3
" of Bowels					1					1			2
" of Bladder						1					1		2

Uræmia	1	4	3	1	3	1		1	1		1	3	19
Unknown, Infants		4			3	2			1	1	1	2	14
" Adults				1		2					1	1	5
Whooping Cough	4	6	10	6	1	6	12	17	17	11	4	6	100
Wounds by Fall	3	4	3	3		3	2	5	5	7	5	5	45
" by Pistol Shot	1	1		1							2		5
" by Cars	4	2	5	4	6	2	2	6	1	2		2	36
" Crushed		1		1	1			1		3	3	1	11
" by Gun Shot		1		1				1			1	1	5
" by Kick of Horse					1								1
" by Injury to Scalp						1							1
" by Explosion of Mineral Water Font						1							1
" by Electric Light Wire						1							1
" by Pitchfork						1							1
" by Stab									1				1
" by Spinal Injury										1			1
Grand Total	930	787	1032	724	1012	1094	913	889	653	649	768	747	10,198

TABLE No. 8—Continued.

Ages.—1890.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Grand Totals.
Under 1 year	169	167	219	166	311	482	321	273	177	152	148	155	2,740
Between 1 and 2 years	80	84	106	69	95	115	71	75	65	32	54	48	894
" 2 " 5 "	46	38	71	40	60	36	33	36	32	24	32	35	483
Total under 5 years	295	289	396	275	466	633	425	384	274	208	234	238	4,117
Between 5 and 10 years	36	25	58	33	51	41	32	37	21	40	34	33	441
" 10 " 15 "	10	11	14	13	15	16	22	18	10	13	18	12	172
" 15 " 20 "	29	28	27	13	26	22	22	38	22	33	25	22	307
" 20 " 30 "	85	71	83	64	84	53	73	58	60	63	80	69	843
" 30 " 40 "	82	65	93	74	61	64	69	64	51	55	85	71	834
" 40 " 50 "	108	69	90	54	62	48	45	83	46	50	54	75	784
" 50 " 60 "	97	72	77	61	75	63	53	59	52	56	70	69	804
" 60 " 70 "	107	87	111	80	105	88	85	84	64	79	96	99	1,085
" 70 " 80 "	44	38	51	38	48	44	58	37	34	34	42	30	498
" 80 " 90 "	32	27	27	16	19	17	22	23	15	15	26	25	264
" 90 " 100 "	5	5	5	3	0	4	6	1	2	3	3	4	41
" 100 " 110 "	....	....	....	....	....	....	1	2	2	0	1	0	6
Above 110 years	....	....	....	....	....	1	....	1	....	....	....	....	2
Totals	930	787	1032	724	1012	1094	913	889	653	649	768	747	10,198

NATIVITY.													
U. S.—White Males.....	307	226	343	226	321	369	292	287	201	211	226	240	3,249
" " Females...	242	240	323	212	329	367	275	276	196	173	235	237	3,105
Foreign—White Males...	106	74	75	63	79	71	76	66	59	66	78	50	863
" " Females.	97	71	74	56	62	47	78	58	67	54	77	68	809
Colored—Males.....	97	84	101	75	115	120	100	81	59	65	70	80	1,047
" Females.....	81	92	116	92	106	120	92	121	71	80	82	72	1,125
Totals.....	930	787	1032	724	1012	1094	913	889	653	649	768	747	10,198
Still-births.....	66	52	57	78	84	69	44	73	64	61	78	74	800
Marriages.....	343	331	279	428	301	380	313	281	423	438	457	392	4,366
Births (Reported.).....	826	795	829	607	796	619	775	868	723	655	827	1078	9,398

Population November 29, 1890, by Police Census, 455,427; White, 384,394; Colored, 71,033; Total, 455,427. Total mortality during the year, United States, White, 6 354; Foreign, 1,672; Colored, 2,172; Total, 10,198. Annual Death Rate per 1,000, whole population, 22.41; White, 20 98; Colored, 30 15; Total Births (reported), 9,398; Birth Rate per 1,000 population, Whites, 21.58; Colored, 16 50; Whole population, 20.65. Total Marriages, 4,366; Marriage Rate per 1,000 population 9.60. Total Still Births, 800.

A. R. CARTER, *Secretary Board of Health.*

TABLE No. 8—Continued.

Total number of Deaths Monthly in each Ward.

Wards.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
First	74	52	62	39	67	61	59	77	38	32	34	52	647
Second	44	38	48	34	44	50	57	39	32	22	30	26	464
Third	38	32	33	22	30	49	27	35	29	19	30	28	372
Fourth	40	32	49	27	27	26	25	28	22	38	33	30	377
Fifth	26	24	39	31	35	29	31	34	22	26	28	24	349
Sixth	62	51	73	55	67	62	72	79	61	34	49	43	708
Seventh	50	49	54	33	71	62	65	49	34	34	31	38	570
Eighth	44	32	58	38	49	64	38	39	41	41	41	40	525
Ninth	45	35	54	47	41	46	35	36	38	29	39	41	486
Tenth	36	26	26	18	36	30	27	29	19	23	27	23	320
Eleventh	40	32	33	17	32	64	20	38	14	26	37	32	385
Twelfth	52	42	72	48	72	50	54	57	33	47	47	51	625
Thirteenth	39	26	37	34	40	37	21	24	24	21	29	22	354
Fourteenth	31	26	42	26	39	49	35	32	15	27	35	23	380
Fifteenth	26	24	43	29	25	35	29	25	23	24	28	28	339
Sixteenth	28	36	30	22	30	41	20	34	13	24	21	21	320
Seventeenth	45	49	69	41	57	62	43	59	46	27	34	48	580
Eighteenth	55	41	62	45	79	65	67	45	53	42	43	56	653

Nineteenth	47	40	40	36	53	81	56	31	29	35	39	36	523
Twentieth	58	39	43	34	43	44	52	28	34	33	50	30	488
Twenty-first	18	21	25	20	34	35	31	28	13	12	24	22	283
Twenty-second	32	40	40	28	41	52	49	43	20	33	39	33	450
Totals	930	787	1032	724	1012	1094	913	889	653	649	768	747	10,198

A. R. CARTER,

Secretary Board of Health.

TABLE No. 8—Concluded.

The Number of Births Monthly.

Births.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
White Males	352	361	356	262	354	297	345	363	335	312	365	496	4198
White Females	364	292	374	257	342	251	337	406	309	268	359	469	4028
Total	716	653	730	519	696	548	682	769	644	580	724	965	8226
Colored Males	54	75	50	42	49	26	43	43	41	30	54	64	571
Colored Females	56	67	49	46	51	45	50	56	38	45	49	49	601
Total	110	142	99	88	100	71	93	99	79	75	103	113	1172
Illegitimate White	6	18	10	19	15	18	15	16	10	17	14	22	180
Illegitimate Colored	24	32	16	17	30	13	18	24	12	9	18	16	229
Total Illegitimate	30	50	26	36	45	31	33	40	22	26	32	38	409

A. R. CARTER,

Secretary Board of Health.

Sixty-second Annual Report

—— OF THE ——

BOARD OF COMMISSIONERS

—— OF ——

PUBLIC SCHOOLS,

—— TO THE ——

MAYOR AND CITY COUNCIL OF BALTIMORE,

—— FOR THE ——

YEAR ENDING DECEMBER 31st, 1890.

BOARD OF COMMISSIONERS OF PUBLIC SCHOOLS

FOR 1890.

OFFICERS:

President	JOHN T. MORRIS.
Secretary	HENRY M. COWLES.
Superintendent of Public Instruction	HENRY A. WISE.
Assistant Superintendent of Instruction	JOHN E. McCAHAN.
Assistant Secretary	ALBERT MARSHALL.
Superintendent of Supplies	CHRISTIAN W. KEIDEL.
Librarian	FRANCIS J. RUTH.

MEMBERS OF THE BOARD:

HON. ROBERT C. DAVIDSON, Mayor.

Ward.		Term Expires.
1.	John F. Langhammer	1893
2.	Simon L. Felber	1891
3.	John B. Wentz	1892
4.	Edward A. Burke	1894
5.	Wm. H. B. Fusselbaugh, of J.	1893
6.	Jacob S. Barnes	1892
7.	Frank H. Kampe	1894
8.	John T. Foley	1891
9.	Michael Sheehan	1891
10.	John T. Morris	1894
11.	Otway B. Zantzinger	1892
12.	Thomas B. Baldwin	1893
13.	*John M. Jones	1891
14.	James Bosley, M. D.	1892
15.	Nelson Baker	1893
16.	Henry C. Thorburn	1894
17.	John E. Durding	1892
18.	John J. Fenton	1894
19.	Henry Allnutt	1891
20.	James E. Murrill	1893
21.	Alcaeus Hooper	1893
22.	A. Warfield Monroe	1893

*Resigned November 11th. On November 17th, the City Council elected Charles J. Wiener, to represent the 13th Ward.

STANDING COMMITTEES.

Mr. Wiener succeeded Mr. Jones as a member of the respective committees.

1. Baltimore City College.

Messrs. Foley, Bosley, Baldwin, Baker, President and Superintendent.

2. Female High Schools.

Messrs. Wentz, Jones, Barnes, Monroe, Fusselbaugh, Murrill, President and Superintendent.

3. Grammar Schools.

Messrs. Fusselbaugh, Hooper, Allnutt, Sheehan and Barnes.

4. Primary Schools.

Messrs. Langhammer, Kampe, Zantzinger, Burke, Foley and Assistant Superintendent.

5. English-German Schools.

Messrs. Felber, Wentz, Durding, Hooper and Langhammer.

6. Manual Training School.

Messrs. Wentz, Felber, Sheehan, Zantzinger, Murrill, President and the Mayor.

7. Colored Schools.

Messrs. Zantzinger, Baldwin, Thorburn, Langhammer, Fenton and Superintendent.

8. Normal School.

Messrs. Allnutt, Murrill, Jones and Superintendent.

9. Text Books.

Messrs. Jones, Wentz, Bosley, Monroe, Baldwin, President, Superintendent and Assistant Superintendent.

10. Furniture.

Messrs. Baldwin, Durding, Allnutt, Kampe and Thorburn.

11. Music.

Messrs. Wentz, Thorburn, Foley, Baker and Felber.

12. Discipline.

Messrs. Durding, Zantzinger, Baker, Fusselbaugh, Felber, President, Superintendent and Assistant Superintendent.

13. Accounts.

Messrs. Hooper, Jones, Burke, Fusselbaugh and Barnes.

14. Expenditures.

Messrs. Burke, Baker, Jones, Bosley, Barnes and President.

15. Examinations.

Messrs. Fenton, Zantzinger, Hooper, President, Superintendent and Assistant Superintendent.

16. Bi-Weekly Reports.

Messrs. Kampe, Burke and Sheehan.

17. Conference.

Messrs. Monroe, Langhammer, Felber, Durding and Thorburn.

18. Buildings.

Messrs. Baker, Bosley, Fenton, Sheehan, Durding, President and Superintendent.

19. Printing.

Messrs. Foley, Thorburn and Kampe.

20. Health.

Messrs. Bosley, Fusselbaugh and Murrill.

21. Drawing.

Messrs. Sheehan, Allnutt, Murrill, Fenton and Langhammer.

22. Intestates' Estates.

Messrs. Thorburn, Jones and Wentz.

23. Heating Apparatus and Fuel.

Messrs. Barnes, Fenton, Burke, Allnutt, Kampe and President.

24. Rules.

Messrs. Monroe, Wentz and Baldwin.

25. Public School Library.

Messrs. Wentz, Allnutt, Foley, Monroe and President.

26. Non-Resident Pupils.

Messrs. Murrill, Hooper and President.

REPORT

— OF THE —

Board of Commissioners of Public Schools

OF BALTIMORE.

OFFICE OF COMMISSIONERS OF PUBLIC SCHOOLS,

January 1st, 1891.

The Honorable Mayor and
City Council of Baltimore:

The Board of Commissioners of Public Schools of Baltimore City respectfully presents its Sixty-Second Annual Report, showing its transactions during the past year, with a full account of receipts and expenditures during that time, and an estimate of the amount required for the current expenses of the schools for the year 1891.

The accompanying reports of the Superintendents of Instruction contain valuable information with reference to the work of the schools, and some important recommendations for their future improvement and success.

The report of the Superintendent of Supplies shows the number and location of new houses erected, and of old buildings which were enlarged and repaired, and contains a full schedule of all furniture and other personal property belonging to the schools, and their estimated value.

These reports, and the interesting and accurate statement of the Secretary, will furnish you full information with reference to the work, conditions and wants of our schools, and will enable you to intelligently co-operate with us in the control of the department of public education.

SCHOOL STATISTICS.

The whole number of schools of various grades was 147, classified as follows:

BALTIMORE CITY COLLEGE.

Number of schools	1
Number of teachers	15
Number of pupils on roll December 31, 1890	422
Average number on roll during the year	400
Average attendance	370
Percentage of attendance	92.3

FEMALE HIGH SCHOOLS.

Number of schools	2
Number of male teachers	3
Number of female teachers	20

Number of pupils on roll December 31, 1890	837
Average number on roll during the year	748
Average attendance	694
Percentage of attendance	93

MANUAL TRAINING SCHOOL.

Number of schools	1
Number of male teachers	15
Number of pupils on roll December 31, 1890	428
Average number on roll during the year	472
Average attendance	400
Percentage of attendance	84

GRAMMAR SCHOOLS.

Number of schools	39
Number of male teachers	34
Number of female teachers	273
Number of pupils on roll December 31, 1890	12,262
Average number on roll during the year	11,689
Average attendance	10,168
Percentage of attendance	87

PRIMARY SCHOOLS.

Number of schools	63
Number of female teachers	465
Number of pupils on roll December 31, 1890	19,738
Average number on roll during the year	19,466
Average attendance	16,326
Percentage of attendance	83½

ENGLISH-GERMAN SCHOOLS.

Number of schools	5
Number of male teachers	18
Number of female teachers	105
Number of pupils on roll December 31, 1890	5,122
Average number on roll during the year	4.949
Average attendance	4,382
Percentage of attendance	78

COLORED SCHOOLS.

Number of schools	18
Number of male teachers	19
Number of female teachers	144
Number of pupils on roll December 31, 1890	6,888
Average number on roll during the year	6,417
Average attendance	5,046
Percentage of attendance	78

ANNEX SCHOOLS.

Number of schools	17
Number of male teachers	12
Number of female teachers	111
Number of pupils on roll December 31, 1890	5,202
Average number on roll during the year	5,229
Average attendance	4,217
Percentage of attendance	80

During the past year two new houses have been erected in the Annex, and all the schools have been respectively graded as follows :

Grammar Schools	Nos. 2, 3, 6, 7 and 8
Intermediate Schools	Nos. 1, 9, 10, and 11
Primary Schools	Nos. 4, 5, 14, and 34
English-German Schools	Nos. 12 and 13
Colored Primary Schools	Nos. 1 and 3

It will be seen from the above statistics that the number of pupils on roll at the end of this year was 50,899, under the charge of 1,234 regular teachers, and the daily average attendance was 41,603, whilst the whole number of pupils who attended during the year was 65,758. In addition to the above number, there are ten special teachers, two of whom give instruction in music, and eight in drawing, and who have general supervision of these subjects.

The increase in the number of schools was 5; number of teachers, 57; number of enrolled pupils, 2,049; average attendance, 1,589, and in the whole number in the schools during the year, 2,213.

The percentage of attendance of pupils in all the schools was 87, ranging from 93 in the Female High Schools, being the highest, to 78 in the Colored Schools, the lowest.

The number of pupils to a teacher on average attendance in Baltimore City College and Female High Schools was 28; in Grammar Schools, 33; in Primary Schools, 37; in Manual Training School, 27; in English-German Schools, 36; in Colored Schools, 33, and in Annex Schools, 37.

The ages of all the children in the schools are as follows:

Between 5 and 6 years, 932; 6 and 7, 4,484; 7 and 8, 5,802; 8 and 9, 6,106; 9 and 10, 6,414; 10 and 11, 6,403; 11 and 12, 5,443; 12 and 13, 5,277; 13 and 14, 4,130; 14 and 15, 2,939; 15 and 16, 1,603; 16 and 17, 855; 17 and 18, 346; 18 and 19, 126; 19 and 20, 34; 20 and 21, 5.

The number of non-resident pupils was 147, being five more than during the previous year, and the amount received from them for tuition and books was $3,282.80.

The average annual salary of the teachers was $570, and the per capita cost of all the pupils was $17.83, and in the several grades, based on enrollment and for current expenses, was as follows: Baltimore City College, $91.90; Female High Schools, $36.35; Manual Training School, $70; Male Grammar Schools, $23; Female Grammar Schools, $17.30; Male Primary Schools, $14.70; Female Primary Schools, $14.26; English-German Schools, $15.70; High and Grammar Colored Schools, $17.50; Colored Primary Schools, $13.50; Annex Schools, $14.55.

FINANCIAL.

The accompanying report of the Committee on Accounts, and the full and satisfactory statement of the Secretary, show the appropriations, receipts and disbursements during the past year.

The estimate for current expenses submitted by the board was $955,500, which included an amount of $72,000 for salaries in the Annex Schools, upon the supposition that the city would make the salaries of the teachers in these schools to correspond with the salaries of teachers in the other schools of the same grade.

The appropriation actually made was $907,000, and the board received from intestates' estates the additional sum of $731.60, making the total amount of $907,731.60 for current expenses, and the total expenditures for this account amounted to $907,711.11, leaving a small unexpended balance of $20.59.

RECEIPTS.

The total receipts for current expenses of the schools during the year were as follows:

City Collector, taxes	$656,125 07
State Treasurer, taxes	182,619 24
Non-resident pupils, for tuition and use of books	3,282 80
Intestates' estates	731 60
John F. Plummer, interest on legacy	128 05
	$842,886 76

The amount received from the City Collector was $56,838 18, and from the State Treasurer $20,477.15, more than during the previous year.

The taxes received from the City Collector are realized from the annual levy on all taxable property in Baltimore City, and during the past year the estimated receipts from this source were 26 cents on $100 of property; on a basis of $274,000,000, with 72 per cent. collectible, producing..... $512,928 00
From arrears of taxes of previous years... 173,473 69

Total estimated amount..... $686,401 69
which was $30,276.62 more than the amount actually received.

The school tax which is annually collected by the State Treasurer for the support of the public schools, arises from a tax of 10½ cents on every $100 of taxable property throughout the state, and the amount thus collected is afterwards apportioned and distributed to the Boards of Commissioners of Public Schools of Baltimore City and the counties, in proportion to their school population between the ages of five and twenty years.

During the year 1890, the amount paid by the city to the state for the support of the schools throughout the state was ... $324,630 34
Amount received by the city from the state as its proportion of the taxes collected by the State Treasurer..... 182,619 24

Excess paid by the city for the support of schools in the counties..... $142,011 10

We again submit for your consideration this statement of the great inequality between the amount paid by the city for the general support of the public schools throughout the state, and the amount received as its proportion of this school fund, to be applied for the use of the city schools.

During the past six years, from 1885 to 1890, inclusive, the city has paid $743,821.00 more than it has received as its proportion of this school tax, and during several years previous to 1885, the excess paid by the city was more than $100,000 per annum. The public schools in our city are established under the ordinances of the Mayor and City Council of Baltimore, and are not directly connected with the state system of public instruction; and many of our citizens feel that our city should not be annually charged with such a large part of the expenses of the public schools in the counties, and that there should be some proper legislation for the purpose of correcting this inequitable distribution of the state tax.

During the past year $731.60 were received from intestates' estates. By ordinances adopted in 1883, all funds received by the City Register from intestates' estates for want of heirs of the deceased are held by him, for the support of the schools, in addition to the annual appropriation for that purpose, and are subject to the order of this board.

EXPENDITURES.

The total amount paid by the board for current expenses of all the schools was $907,711.11, and by the Inspector of Buildings for the erection of new houses and general repairs of old buildings, was $250,336.70.

The items of expenditures by the board were as follows:

Salaries of officers and teachers	$733,611 15
Rents and ground rents	39,284 65
Books and stationery	47,743 79
Heating apparatus and repairs	9,340 47
Furniture	21,536 73
Fuel	27,058 52
Repairs and cleaning	10,021 21
Printing, supplies and incidentals	19,114 59
	$907,711 11

Of this amount, the expenditures on account of white schools were $808,587.47 and on account of colored schools, $99,123.64.

The amount appropriated by the city for expenses of Annex Schools was $75,000, and by order of the board, the amount received from intestates' estates, $731.60, it was also carried to the same account, making total amount of $75,731.60 for current expenses of these schools, of which the sum of $75,731.56 was expended.

The expenditures by the Inspector of Buildings were as follows, on account of new school houses:

Manual Training School	$12,769 32
English-German School No. 5	24,389 77
Grammar School No. 8	14,338 25
Grammar School No. 20	24,666 63
Primary School No. 13	13,096 87
Primary School No. 24	16,277 35
Primary School No. 31	20,445 92
Primary School No 32	21,000 00
Primary School No. 33	20,953 80
Annex School No. 4	20,517 85
Annex School No. 13	13,589 87
Annex School No. 34	17,957 47
Total amount for new houses	$220,003 10
General repairs of old buildings	$9,000 00
Wood ceilings	2,000 00
Painting houses	4,000 00
Cleaning sinks	1,058 38
Sanitary improvements	1,500 00
Enlarging Primary School No. 20	7,400 00
Inclosing lot of Eastern Female High School	2,175 22
Glazing after hail storm	1,200 00
Repairs to Annex Schools	2,000 00
	30,333 60
Total amount expended by Inspector of Buildings	$250,536 70

The amount appropriated to the Inspector of Buildings for the school department has been judiciously applied by him in the repairs of old school houses, which annually require his attention. His report shows that during the past year eleven new school houses have been completed; twenty-one old buildings have been repainted, new sanitary closets constructed in several schools, about forty of the plaster ceilings were removed, and wood ceilings substituted, and that most of the old houses were repaired and made more comfortable and attractive. He is of the opinion that old plaster ceilings are dangerous and may fall whilst the schools are in session, and as there are yet about 450 class rooms with plaster ceilings, he asks for an appropriation of $2,000 for the purpose of replacing them with wood.

The Inspector has faithfully performed his duties pertaining to this department, and is entitled to our thanks for his successful efforts to improve the school buildings, and we recommend that the amount of his estimate for this year be appropriated for his use.

ESTIMATE FOR 1891.

The estimate for current expenses is $958,000.00, of which $96,000.00 is for Annex Schools, as follows:

Salaries of officers and teachers	$685,000 00
Rents and ground rents	35,000 00
Books and stationery	45,000 00

Heating apparatus and its repairs		$ 9,000 00
Furniture		15,000 00
Fuel		25,000 00
Repairs and cleaning		9,000 00
Printing, supplies and incidentals		12,000 00
Manual Training School		27,000 00
Annex Schools, salaries	$76,000 00	
Annex Schools, general expenses	20,000 00	
		96,000 00
		$958,000 00

The above estimate is much larger than the appropriation for the past year, and has been made after a careful consideration of the increasing wants of the schools.

The accompanying report of the Committee on Accounts shows in detail the necessity for this increase, and it is hoped that no reduction will be made in the amount of the estimate.

The same reasons which have heretofore been assigned will apply with equal force at this time. The certain increase in the number of pupils and teachers necessarily involves additional expenses for salaries, books, furniture and other school appliances, and the annual appropriation should be correspondently increased.

There is no tax more cheerfully paid by our citizens than that which is levied for the support of our public

schools, and the appropriation, therefore, should be liberal, and the board held to a strict responsibility for the proper expenditure of the amount. It would be a serious mistake to attempt to conduct successfully a system of public education on parsimonious principles. Public sentiment does not demand this kind of municipal economy. The most rigid economy is exercised in expenditures for our schools, and this department cannot be justly charged with extravagance in view of the well known facts that its school houses are less expensive, its teachers' salaries are lower, the per capita cost of the pupils and the total annual expenses are less than in other large cities.

There are 98 houses occupied by the schools, of which 85 are owned by the city and 13 are rented. The amount paid during the year for ground rents on those belonging to the city was $29,794.29, and for rent of hired buildings and halls was $6,301.00. The total cost of school lots has been $232,364.25, and the estimated value of all the school houses owned by the city is $1,554,900.00 ; and the valuation of all the furniture, heating apparatus and other school supplies, except books and stationery in use, based on two-thirds of their original cost, is $220,226.00.

Table C, accompanying the statement of the Secretary, shows the location of all schools, size of lots and houses, ground rent on each, date of their erection and estimated value ; and the inventory prepared by the Superintendent of Supplies contains a full list of

all furniture and supplies of every kind in the schools and their estimated value.

During the past year eleven new school houses have been completed and are occupied, as follows: Manual Training School; Primary School No. 13; Primary School No. 24; Primary School No. 31; Primary School No. 32; Primary School No. 33; Primary School No. 34; Grammar School No. 8; Grammar School No. 20; English German School No. 5; Annex School No. 4.

They are all erected upon plans approved by the Mayor, Superintendent of Institution and President of this Board, and except two, are supplied with Smead's system of heating and ventilation, which is now accepted as a great improvement over the former methods of heating the school houses. In addition to these a new house is in course of erection for Annex School No. 13, which will be completed early in 1891.

These new houses have furnished better accommodations for some schools which have been occupying rented buildings, and the liberality of the city is highly appreciated by teachers and pupils.

Though great relief has been given to several schools, yet we regret to report that the appropriations for Grammar School No. 8, Grammar School No. 20 and Primary School No. 24, were not sufficient to erect houses of the required size for those schools, and the

result is that several classes in each of these schools are now compelled to occupy other houses.

We repeat what has heretofore been said in former reports, that the true policy to be adopted in the erection of new school houses, is to build them sufficiently large to accommodate not only those pupils now in the schools, but also to provide for the annual increase in numbers.

The yearly increase of 2,000 pupils means that additional class rooms must be furnished annually for that number, either by enlargement of the old houses or the erection of new buildings, and it certainly would be more economical when new houses are erected, to make the original appropriations sufficient to provide accommodations for the present as well as the prospective wants of the schools.

The yearly demand for more school houses may seem extravagant and unnecessary to those who do not know or appreciate the rapid growth of our schools. They seem to think that school buildings are so elastic that they can be arranged to comfortably accommodate any additional number of pupils from year to year, without enlargement. If persons who entertain these views would examine and ascertain the seating capacity of the buildings, they would find that though so many have been erected and enlarged during the past year, yet there is still a large deficiency of proper and healthy accommodations for the pupils now in attend-

ance. Though this condition does not exist in all the schools, yet it notably prevails in those that are located near the outskirts of the city, where numerous dwellings have been erected, and the population has greatly increased. Several old buildings in the Annex, which were purchased from the county, are now unsuited for school use, and it will be necessary to provide the school population of those districts with better facilities, or practically debar them from the full benefit of education. In view of this existing condition, we again report the following schools that need immediate improvement, and ask the necessary appropriation be made for this purpose:

WESTERN FEMALE HIGH SCHOOL.

The building used by this school on West Fayette street, was erected in 1858, and was then of sufficient capacity for all its pupils, and the location was desirable The number of schools and pupils was then about one-fourth of the present number, so that now the annual increase and attendance of pupils are much greater than at that time. Then, there was open space around the building which allowed sufficient light and ventilation; now it is enclosed by new houses erected within a few years, which partly exclude the desired light and air, and darken some of the class rooms, so that gas light is necessary. This want of sufficient and healthy space, light and ventilation, induces us to ask the passage of an ordinance authorizing the selection of another lot and the erection of a new building for this school.

ENGLISH-GERMAN SCHOOL No. 1.

This school occupies the old house, formerly used by Grammar School No. 6, which was built in 1841. It is now in a neighborhood where there is a large colored population, and it is deemed desirable to enlarge this building for the use of the Colored School No. 4, which occupies a rented house on Biddle street, and to erect a new house elsewhere for this school. We, therefore, recommend that an appropriation be made for the purchase of a lot and the erection of a new building for English-German School No. 1, and for the enlargement of the present house for the use of Colored School No. 4.

GRAMMAR SCHOOLS No. 18.

The attendance at these schools is not as large as formerly, owing to a decrease in the white population in its district, and it is recommended that a new building be erected in the western part of the city, near Fulton avenue, for this school, and that the present building be used for a colored school, which is much needed in the neighborhood.

ANNEX SCHOOLS Nos. 10 AND 11.

The old houses occupied by these schools, the former on Old Frederick road, near Carroll, and the latter on the Frederick road, near the toll gate, were purchased from the School Commissioners of Baltimore County. The cost of the former was $6,500, subject to one cent ground rent, and of the latter was $2,000,

subject to the yearly ground rent of $50, and neither of them is now of sufficient size to furnish proper and comfortable accommodations for the pupils in attendance. We recommend that appropriations be made for the erection of new buildings for these schools in the vicinity of their present location.

COLORED SCHOOLS No. 3.

These schools occupy two separate buildings, the one on the corner of Montgomery and Howard streets, and the other on Hill street, and both are crowded and very uncomfortable.

It would be for the advantage of these schools to sell both of these old buildings, and erect a new and commodious house for their use; and it is recommended that a liberal appropriation be made for this purpose.

COLORED SCHOOLS No. 8.

These schools are in the old building at the corner of Chew and Bond streets, and have an attendance of about 600 pupils, with a seating capacity for 450. There is no other colored school in the northern or northeastern section of the city, except that located at Waverly, where the attendance is also much larger than the capacity of the house. It is our recognized duty to educate the colored children in our city, and for that purpose it is necessary to provide sufficient school accommodations.

Another school house for their use in this section of the city is required, and it is recommended that one be built at some suitable location between these two schools.

Application will be made for appropriations to enlarge English-German School No. 4, at the corner of Chase and McDonogh streets; Grammar Schools No. 17, on Washington street; Annex School No. 1, at Waverly, and Female Grammar School No. 16, at Locust Point.

SEATING CAPACITY OF THE SCHOOLS.

The health of the teachers and pupils of public schools in all countries is now receiving the earnest consideration of those who have official control of them, and every possible effort is made to promote their physical as well as mental culture.

It is undoubtedly true that the crowded condition of class rooms and the want of proper light and ventilation, have impaired the health of many who are required to spend from five to six hours daily in such an unhealthy atmosphere. In our city, we note with regret that the bi-weekly report of absence shows a great increase in the number of teachers and pupils who are detained from school in consequence of sickness, which is doubtless attributable in part to the impure air of some of the class rooms.

With a view of removing this existing evil which so generally prevails, the Boards of Education are adopt-

ing rules for the purpose of regulating the seating capacity of all school houses, so that every child will have sufficient floor-space for sitting and air-space for breathing. It is hoped by this means to establish better hygiene in the schools and to improve the health of teachers and pupils.

There is however such a variance in the views of physicians and educators, that it seems to be impossible to establish a common standard which will apply to all schools and effect the best results.

It is very remarkable that in Germany, where is supposed to exist a model system of public instruction, only $6\frac{1}{2}$ square feet of floor-space and 70 cubic feet of air-space are allowed to each pupil, whilst in some of the cities of our country, 25 square feet of floor-space and 300 cubic feet of air-space are allowed in the schools.

Our Superintendent recommends that the class-rooms of new buildings for Grammar Schools be of sufficient size to allow 15 square feet of floor-space to each pupil, and 210 cubic feet of air-space, and for Primary Schools, 12 square feet of floor-space and 168 cubic feet of air-space for each pupil.

The Board now has the subject under consideration, and will probably determine the matter during this year, and when the seating capacity of each school is fixed according to the adopted standard, no more pupils will be admitted in any school than can be comfortably seated.

TEACHERS—THEIR APPOINTMENT, PROMOTION, TENURE AND SALARIES.

We annually refer to our teachers and their valuable services, because the success of our public schools is largely dependent on the character of their professional work, and they are entitled to credit for the fidelity with what they perform their duties.

The most zealous officials and the most liberal expenditure of money for school house purposes and use, and for the purchase of other school appliances, would not produce these satisfactory results, if the teachers were uncultured and inefficient; and it is undoubtedly true that the growth of all schools, public and private, and the progress of their pupils, are in proportion to the capacity and zeal of those who perform the work of instruction. It is therefore most important that only those should be appointed who possess the necessary fitness, mental and physical, for this educational work, and that no other consideration, either religious, political or personal, should control in the selection of our teachers.

There are now 1244 teachers in the public schools of this city, most of whom perform their work with fidelity and success. There is necessarily a difference in their teaching capacity and the results of their work, because many of them have been engaged in this service for a long period and have thus attained a proficiency which cannot fairly be expected from others who have been only recently appointed.

There were 653 eligible applicants for teachers' positions on the Superintendent's register at the end of 1889, and during the past year, 90 additional candidates were examined, and of this number, 27 passed and received certificates, and 63 failed. In addition to these there were 82 graduates of Baltimore City College, the State Normal School and Female High Schools, and Colored High School, who also became eligible under the existing rules.

The number of new teachers appointed during the year was only 47, and it will thus be seen that the supply is much greater than the demand, and that necessarily there are many on the list of eligibles who cannot obtain positions.

The profession of teaching, though not lucrative, is honorable, and there are therefore many persons, especially females, who are anxious to enter it, even for moderate compensation, and hence it is that nine-tenths of all the teachers in public schools are women. There are some educators who believe that men are better qualified than women to teach boys, but our experience shows that the female teachers in our male primary and grammar schools perform the required work with marked success and as well and thoroughly as men could do.

By the rules of the board, the election of teachers occurs annually in the month of June, and the usual result is the re-election of all those in the schools.

Objection is sometimes made to this system of annual election, because it is claimed that it renders the tenure of the teachers uncertain and unnecessarily alarms them, and creates fear of removal, which interferes with their work. There is a possibility that this system of election might be abused, to the injury of teachers, by inconsiderate and prejudical officials; but no instance of that kind has ever been reported in our schools, and it is believed that if any attempt was made to remove a faithful teacher from personal consideration and prejudice, the Board would promptly prevent its occurence.

Several propositions have been presented for the permanent appointment of teachers during good behavior and efficient service, but after due consideration, they have been rejected by a majority of the Commissioners, who prefer to retain the present system of annual appointments.

In our last report it was shown by a statement prepared by the Secretary, that of the teachers in the schools, 5 had been in service for 45 years, 2 for 37 years, 7 for 36 years, 5 for 35 years, 3 for 33 years, 5 for 32 years, 6 for 31 years, 8 for 30 years, 6 for 29 years, 10 for 28 years, 8 for 27 years, 6 for 26 years, 10 for 25 years, 2 for 24 years, 17 for 23 years, 8 for 21 years, 15 for 20 years, 12 for 19 years, 12 for 18 years, 36 for 17 years, 28 for 16 years, 39 for 15 years, 34 for 14 years, 28 for 13 years, 30 for 12 years, 30 for 11 years, 38 for 10 years, 35 for 9 years, 53 for 8 years, 48

for 7 years, 58 for 6 years, 34 for 5 years, 51 for 4 years, 67 for 3 years, and others for a less term.

This is a practical proof of the permanency of the teachers' tenure in our schools, and ought to be satisfactory evidence that there is no danger of removal as long as they satisfactorily and efficiently perform their duties in the schools.

The present method of appointment of teachers by the Local Committee on the several schools is deemed objectionable by some members of the Board, and propositions, with reference to their appointment and promotion, have been submitted and are now under consideration. There is no general or uniform system of appointment among the school systems of the country, but each one has adopted that method which it deems best; and it is probable that some changes may be made in our present method by which the commissioners may be relieved of the urgent importunities of applicants, some of whom seek the positions for personal conditions, rather than professional fitness for the work. This class of candidates is very often persistent and annoying, and may sometimes be successful; and it will be a great relief to the commissioners and benefit to the schools if some other plan can be devised by which the best qualified of all the applicants can be selected without impairing the official rights of the committees.

The schedule of salaries of the teachers is prepared by the board, subject to the approval of the Mayor

and City Council. A large number of the teachers have filed their application for an increase in their salaries, and they have been referred to a special committee for consideration. They allege that their salaries are less than those paid to the teachers of public schools in all the large cities, though they do the same amount of professional work and effect as satisfactory results. The comparative statement of the secretary, prepared by him from official information, confirms the teachers' petition, and shows that the salaries paid our teachers' are less than in the seven principal cities named, and that our cost per pupil and total annual amount of expenditures were also less than in those cities.

If the board should favorably consider these petitions and recommend an increase of salaries, we bespeak your approval of our action.

No system of appointment that can be adopted will certainly exclude all inefficient teachers from the schools, but the number may be so reduced that their inaction and unfitness will not seriously interfere with the general success of the schools.

Some educators recommend the system of competitive examinations, and that those attaining the highest grades shall be entitled to appointment, according to their scholastic standing; and that when vacancies occur in the higher positions, they shall be filled by promotion of those from the lower grades, who have made the best records in the positions which they have previously filled.

Objections are made to this method of appointment by others who properly allege that scholastic culture and proficiency are not the only necessrry qualifications to fit the teacher to successfully perform his work, but that other important elements of professional character are required, which cannot be discovered by competitive examinations. Whatever difference of opinion may exist on these subjects, it is universally conceded that for the purpose of securing the best teaching corps, it is important that the appointment and promotion of teachers should be for fitness and merit; that their terms should be permanent during good behavior, or otherwise sufficiently secure as to prevent any fear of removal without proper cause; and that their compensation for services should be commensurate with their work, and the only doubtful question is how best to accomplish these results.

CONDITION OF THE SCHOOLS.

It is important that the schools should be carefully examined from time to time by the Superintendent and the several committees, so that it may be ascertained at the close of each year whether they are in a better or worse condition than during the previous year.

If there has been no progress made either in numbers or results, then they are not accomplishing the object for which they were established, and it is reasonable to believe that there are some existing obstacles to their further success, which ought to be removed.

The daily visits of the Superintendent and Assistant Superintendent to the schools and their inspection of the work of the teachers and pupils will disclose to them any defects in methods of instruction and suggest remedies for the correction of the errors.

Their reports show that the general condition of our schools is satisfactory in every department, and that they have increased in numbers and efficiency during the past year.

The large increase in the number of pupils is encouraging evidence of public confidence in our system and its results. If our citizens believed the scurrilous charges that are sometimes made against those in charge of our schools and their methods of management, they would not be willing to place their children under such influences ; but, on the contrary, they know them to be untrue, and to be the result of improper motives, and they therefore annually renew the expression of their confidence and approval of what is done.

There have been no material changes in the curriculum of studies, nor in the grades in the several departments. Our system embraces primary, grammar and high schools, and of the whole number of pupils, 64 per cent. are in the primary department, 32 per cent. in the grammar department, and 4 per cent. in the high schools. There are three grades in the primary department and five in the grammar depart-

ment, being eight grades in these schools, each requiring one year, and thus pupils of ordinary intelligence and diligence can pass through these schools in 8 years, entering at 6 years of age and leaving at 14 years, if they do not wish to enter the high schools. Of the large number of pupils entering the lowest primary grade, about 34 per cent. leave the schools at the close of their primary course, and of the remainder, only 1 per cent. continue through the eighth grade of the grammar schools.

As such a large proportion of all the pupils obtain all their education in the primary and lower grades of the grammar schools, it is the most important to have the work in these grades done by the most earnest and faithful teachers, with the best possible results.

The studies of our schools conform to the public demand, and our desire is to furnish not only elementary and intermediate instruction, but also higher education to those who may desire it. The opposition that formerly existed to giving advanced instruction at public expense, is rapidly disappearing, and it is now recognized as an important and necessary part of all systems of public education.

The general discipline has been good, and the committee on this subject has not been required to investigate any special case during the year. Corporal punishment is retained, but the principals of schools are alone to inflict this mode of punishment when

necessary. The reports from principals show that the number of cases of corporal punishment was much less than during the previous year, and that many of the schools have been controlled without resort to it, and it is hoped that it may be possible in the future to govern all the schools without a resort to this mode of discipline.

BALTIMORE CITY COLLEGE.

Dr. Wm. Elliott, Jr., Principal of the College, died on the 1st July, 1890, after a short illness. He had been a teacher in this institution for nearly 40 years, and its principal for the last 17 years, and during the whole period he had earnestly, conscientiously and faithfully performed the duties of his positions. He was a teacher of large experience and great industry, of modest and unassuming character, successful as an educator, warm in his friendship and his devotion to duty, and the success of his labors will ever be remembered and appreciated by many of our citizens who were his pupils. His death is a great loss to the cause of public education in our city, and his memory will ever be cherished by all who knew and esteemed him as a friend and teacher. In September last, his place was filled by the appointment of Professor Francis A. Soper, who has been in charge of the Department of Astronomy and Mathematics for ten years, and who is now satisfactorily performing the duties of his new office.

In October last, Professor Charles F. Raddatz was elected Vice-Principal, and other changes were made

in the Faculty by the election of Professor Stephen F. Norris to the Chair of Astronomy and Mathematics, Mr. Julius G. Miller as Adjunct Professor of Mathematics and Latin, and Mr. Robert C. Cole as Professor of History and Political Economy. The last two named teachers have been successful principals of Male Grammar Schools, and their appointment will materially stengthen the Faculty and add to the success of the school. The Chair of History and Political Economy was created in response to a demand for more enlarged instruction in the study of history, and to furnish a proper knowledge of the science of Political Economy, and it has received the approval of all persons interested in the further growth and success of the college.

The department of natural science requires better accommodations for its work than it now has in the present building. Dr. Clarke reports that it is impossible to obtain the best results with his limited space, and urgently requests the erection of an annex on the vacant part of the lot, a part of which can be satisfactorily used by his department, and the balance may be constructed for a gymnasium for the physical training of the students of the college.

It certainly would be very desirable to furnish the required accommodations for this important department of instruction, and also to give the students the proper facilities for physical culture, such as are now generally connected with all similar schools; and as

both objects can be accomplished by the erection of a building at a moderate cost, we recommend the subject to your favorable consideration, and that the necessary appropriation be made for the purpose.

The number of students in attendance is greater than during the previous year, and their work has been generally satisfactorily performed.

FEMALE HIGH SCHOOLS.

The reports of the Principals of these schools show the work of the past year and their present condition and wants.

The educational work of both schools has been generally satisfactory, and there is evidence of improvement. The number of pupils on roll at the end of the year was 837, being nearly 100 more than at the close of the previous year. It is recommended by them that a part of the time of the fourth year class be devoted to the theory and practice of teaching, for the purpose of specially benefiting those who may intend after graduation to become teachers, and also, that some instruction in the industrial branches may be given. Special attention is called to the present condition of the Western Female High School building, which is now inadequate to accommodate comfortably the pupils and who also suffer great inconvenience for insufficient light and ventilation.

The adjoining lot to the Eastern Female High School building has been purchased, and is now enclosed by a neat and substantial brick wall, which greatly improves the appearance of the property, which is in good order. These schools are highly appreciated by our citizens, because they furnish higher education to their daughters, equal to that received in any private schools, and superior to many, and any attempt to abolish them or reduce the present high standard of instruction would meet univeral disapproval.

MANUAL TRAINING SCHOOL.

The new building for this school was completed and occupied during the year, additional machinery has been purchased for its use, and the shops have been fitted up in a satisfactory manner.

The term for which Lieut. John D. Ford had been appointed to this school having expired, the Secretary of the Navy declined to further extend his assignment, and he was ordered to San Francisco, for the performance of other duties of the Engineer Corps. He had been the Principal of the school for several years, and by his intelligent and energetic management, had elevated it to a high standard of excellence and success. This was the first school of the kind in the United States established as a part of any public school system, and it is now everywhere recognized as eminently successful, and its methods of instruction are generally adopted by other Manual Training Schools.

The vacancy in the Principalship was filled by the appointment of Mr. John W. Saville, P. A. Engineer, U. S. N., who has satisfactorily performed the duties of the position.

For the purpose of furnishing instruction to such students as desired a knowledge of military tactics, and the benefit of the physical exercise of drills, at the request of the Board, the Secretary of War assigned Lieut. Edson A. Lewis (U. S. A.) as Instructor of the school, who performs these duties and also assists in giving instructions in engineering.

The general work of the school is progressing with satisfaction and success. As has heretofore been stated in our reports, the school does not profess to teach trades, but its aim is more comprehensive, it lays the foundation for many trades, and at the same time recognizes the value of intellectual discipline. The practical results of three years' instruction are exemplified in the work of the graduates, who have constructed steam engines, steam pumps and other machines, as their graduation work. It is a merited compliment to the graduates, that desirable and remunerative positions have at once been obtained by them on leaving the school. It is recommended that an exhibition of the work of the school be made at the World's Fair in Chicago.

GRAMMAR AND PRIMARY SCHOOLS.

There are 102 schools in these departments of our system, containing 32,000 children, under the charge of 772 teachers, and they therefore constitute a large portion of the whole number.

In view of this fact, and also because nearly all of these pupils obtain their entire education in these schools, they receive the special care and attention of the Superintendent and Assistant Superintendent, who daily examine the classes and advise and assist the teachers in the performance of their work.

The erection of several new houses during the past year for these schools has furnished better accommodations for their work, and they will doubtless be able to effect better results than when confined in the old hired buildings with all their inconveniences.

ENGLISH-GERMAN SCHOOLS.

There are five of these schools, being the same as during the previous year, with an increase of five teachers and about 100 pupils. They were organized as a part of our school system seventeen years ago by an order of the City Council, in compliance with the request of a large number of our citizens who desired that instruction in the German language should be given to their children. It was at first intended that such instruction should be given in all the schools where a sufficient number of the pupils desired it, to justify

the appointment of a special teacher, but afterwards it was determined that it would be better and less expensive to establish separate schools, where all could attend who wished to do so.

These schools are composed of pupils of the grammar and primary grades, and instruction is given daily in the English and German languages. This parallel course of study is approved by many educators, who think that this daily instruction to the pupils in the German language does not interfere with their English studies, but that each assists the other.

There are others, however, who have a different opinion and think that the instruction given in these schools is of but little practical value, and that it interferes with the English studies, and, therefore, it should not be given in our schools.

There are many also who are opposed to giving instruction in foreign language in public schools, at the public expense, and think that the true policy is to furnish only an English education in the language of our country.

Public sentiment in our city seems to be favorable to the continuance of these schools, and it is our duty therefore to make them as satisfactory and successful as possible.

The new house for No. 5 School, on Lexington street, has been completed and is now occupied. Although

commodious and comfortable and of sufficient size for the pupils now in the school, it will not furnish seats for the increased number during the year, and it may be necessary to rent other buildings for their use.

ANNEX SCHOOLS.

There are now 17 Annex Schools, graded as follows: 5 Grammar Schools; 4 Intermediate; 4 Primary; 2 English-German and 2 Colored Primary, containing 5,202 pupils, under the charge of 123 teachers, being an increase of 1 school, 10 teachers and 336 pupils.

Most of the schools are still composed of pupils of both sexes, and of primary and grammar grades; but as new houses are erected, and other conditions arise to enable it to be done, they will be separated and classified as other public schools. A new house was erected on Huntingdon avenue, and a new Primary School No. 34, was organized with separate departments for boys and girls, which now have about 400 pupils.

A new house was also erected at Woodberry and is now occupied by Grammar School No. 7, and has a large number of pupils.

The two new houses which have been erected are in the 22d Ward, and application will be made for two new houses on the Frederick road, in the 21st Ward, for use of Intermediate Schools Nos. 10 and 11.

It will thus be seen that the number of teachers and pupils is annually increasing in the Annex Schools,

and that additional facilities have been furnished for their accommodation, and we bespeak a continuation of this liberal spirit in the future.

COLORED SCHOOLS.

There are 18 schools for colored children containing 6,888 pupils under the charge of 163 teachers, all of whom are white, except those appointed in No. 9, on Carrollton avenue and Annex, No. 3.

In accordance with the ordinance adopted in 1888, which directed the appointment of colored teachers in all schools thereafter established for colored children, No. 9 School was opened in 1889, and placed under the exclusive control of colored graduates of the Colored High School, and others who had passed the required examination by the Superintendent.

An inspection of their work shows that these teachers are well qualified, and that they have faithfully and satisfactorily performed their duties, and are fully capable of giving proper instructions to the pupils in this department.

The increase in number was sufficient to authorize the appointment of additional teachers, but as there were none who were eligible except those already in the schools, it became necessary to postpone other appointments until the next graduation of students of the Colored High School.

A new colored school is much needed in the northern section of the City; also a new house for the use of Colored School No. 3, and these wants will be more fully presented by the committee for your favorable consideration.

SCHOOL CENSUS.

We publish the following census of children of school age between 6 and 21 years, taken under the direction of the Board in 1888. It was intended to have another taken during the past year, but when it was ascertained that the United States census was in progress, it was deemed proper to postpone the matter until that was published, which will doubtless furnish the desired information:

CENSUS TAKEN IN JUNE, 1888.

Children Between 6 and 21 Years.

Wards.	Number of Males.	Number of Females.	Total.	Attend'g Public Schools.	Attending Private Schools.	Attending no School.	Have been in school 3 years, but not in now.
1	2,970	2,937	5,907	2,192	991	2,724	1,599
2	2,332	2,314	4,646	1,658	968	2,020	1,211
3	2,160	2,223	4,383	1,638	657	2,088	1,363
4	2,060	1,987	4,047	1,631	539	1,877	717
5	1,909	2,022	3,931	1,826	382	1,723	857
6	3,258	3,200	6,458	2,595	853	3,010	1,876
7	3,404	3,373	6,777	2,673	918	3,186	2,160
8	2,816	3,018	5,834	2,014	1,245	2,575	1,760
9	1,300	1,363	2,663	963	805	895	445
10	1,847	1,921	3,768	1,439	583	1,746	1,262
11	1,651	1,580	3,231	1,037	872	1,322	776
12	2,820	3,069	5,889	2,361	1,264	2,264	1,481
13	1,708	1,718	3,426	1,427	555	1,444	1,013
14	2,426	2,522	4,948	1,826	648	2,474	1,801
15	1,988	2,114	4,102	1,738	344	2,020	1,401
16	1,949	1,925	3,874	1,622	242	2,010	1,301
17	2,962	2,930	5,892	2,603	633	2,656	1,855
18	3,905	3,736	7,641	2,820	598	4,223	2,848
19	3,037	3,294	6,331	2,928	914	2,489	1,333
20	2,815	3,039	5,854	2,395	749	2,710	1,425
21	2,635	2,426	5,061	2,205	315	2,541	1,511
22	2,944	3,124	6,068	2,294	890	2,884	1,628
Totals	54,896	55,835	110,731	43,885	15,965	50,881	31,623
Census of 1888	54,896	55,835	110,731	43,885	15,965	50,881	.....
" " 1878	42,589	44,372	86,961	33,328	13,550	40,083	.....
Increase in 10 years.	12,307	11,463	23,770	10,557	2,415	10,798	.....

It is very important for those in charge of public education to ascertain from time to time the whole number of children who are entitled to free instruction and what proportion of these are attending public and private schools, so that they may thus be enabled to devise some proper means for the benefit of those who are voluntarily neglecting this duty.

Whilst this census shows that there was then the number of 50,881 not in any school, yet it also showed that nearly two-thirds of these had been previously attending school for three years, and the remainder had probably attended for a less period, and thus all had received some education.

As public and private schools increase in number and efficiency, illiteracy and crime undoubtedly diminish in every community, and it is therefore clearly the duty of all good citizens to unite in establishing and maintaining these schools.

PUBLIC SCHOOL LIBRARY.

This Library, established in 1875, has been of great advantage to the teachers and pupils in our schools. It now contains about 5500 volumes, selected with care and great judgment, and embraces every department of literature, and has been specially valuable to those readers who desired information on educational subjects. Our teachers and pupils need good books as aids to their school work, and our city has recognized the value and importance of such free libraries, by directing the board to establish and maintain them.

Whilst the value of a library depends more on the character and quality of its books, than on the number on its shelves, yet it is desirable to purchase from time to time, such new and useful publications as may be needed by its readers. This fact has been well appreciated by the present efficient librarian, who has

diligently worked in its interest during the past year, and has obtained by purchase and donations, about 1500 additional volumes. He reports that the number of readers has greatly increased during the year, and that the books most read are on History, Science and Teaching.

His recommendation for additional appropriations during the current year for the purchase of more books is entitled to our favorable consideration.

SCHOOL HELPS.

The teachers are often much benefited and materially assisted by association for purposes which are not directly connected with their school work. They of course owe a personal duty to themselves as well as official obligations to the schools, and it is proper that they shall associate for mutual portection and aid, as well as for professional culture and progress.

The frequent interchange of opinions between teachers with reference to their school work and its results, must necessarily be advantageous.

There is of course a difference of the teaching capacity of teachers as shown by the results of their instruction in their respective schools, and the causes which produce better results in some schools than in others might be discovered by a comparison of the different methods adopted. It is proper that those who are experienced and have attained eminence in their profes-

sion, should help the young and inexperienced, and there should be cordial co-operation among all teachers for mutual benefit and advancement.

For this purpose we cordially commend the Teachers' Associations as helps to school work, and advise all the teachers to become members who desire success in their profession.

In addition to the general associations organized for the consideration of professional subjects, the Beneficial Association is entitled to special consideration. It was incorporated in 1878, and its object is to "provide a fund for the benefit of those members who through sickness or other personal disability are prevented from the active discharge of school duty, and also upon the death of any member, to provide a sum of money for the benefit of the family, widow, children or legal heirs of the deceased." Any teacher of the public schools of this city who is free from any disease that would cause frequent detention from school duty, or likely to produce death, may become a member of the association upon the payment of an initiation fee of $1.00 and an annual membership fee of $3.00.

Since its organization, a large sum has been paid for sickness and for death assessments, the total amount being nearly $20,000, and many needy teachers have been relieved, and the association is entitled to practical encouragement and aid from teachers and others who are able to contribute to this meritorious object.

The Teachers' Reading Circle was organized in this city by the Superintendent and Assistant Superintendent, "for the purpose of enabling teachers to pursue a course of professional and academic study," and if properly appreciated and encouraged by our teachers it will increase their efficiency and be a school-help.

INDUSTRIAL TRAINING.

The success which has attended the introduction of manual training for boys in our schools has created an earnest desire for some industrial training for the girls, in connection with their mental studies, and public sentiment now demands that they shall be taught sewing. This is no longer a doubtful experiment, but departments of sewing, under the charge of competent instructors, have been established in the public schools of several cities, and conducted with marked success and great benefit to the girls and their families.

By the present rules of the Board, instruction in needle-work may be given on Friday afternoon in each of the grades of the Female Grammar Schools by the regular teacher; but it has been impossible to enforce the rule, because many of the teachers are unable to give this instruction. If sewing had been taught when they were pupils, they would probably now be competent instructors, and the failure to do so then seems to be a strong reason why there should be no further delay now. It will be, of course, necessary to appoint special teachers for this purpose, in the same manner

as special teachers of drawing and music are now appointed, with the expectation that the regular teachers will assist in this work, and may hereafter be able to take entire charge of it.

Instruction in sewing is given in nearly all private schools and in many public schools, and it is recognized by educators as an important auxiliary in the school work of girls. It is inexpensive as well as useful, and will undoubtedly be of great practical value to the pupils in their own homes after they leave school.

Application was heretofore made to the City Council for authority to establish this department of industrial training for the girls in our grammar schools, but no report was made or action taken by the Committee on Education. Since then numerous petitions and applications have been presented to this board, asking the introduction of instruction in sewing, and in compliance with these urgent requests, we again submit the matter and ask your favorable consideration.

SCHOOL CRITICISM.

It is an error to suppose that those in charge of our public schools are opposed to fair criticism of their work and the results. On the contrary, they have always cordially invited an intelligent and impartial examination of their present methods, for the purpose of obtaining the opinions and advice of our citizens. No system of schools is perfect and no management is faultless, and all that can now be attained is probably

only an approximation to the high standard of the future. Educators are conscious that errors often exist in their methods of instruction; that the best modes of examination are not always adopted, nor the best teachers chosen, nor the best results obtained, but they faithfully labor from year to year in the hope that improvements will be made. Judicious and discriminating examination and criticism are always appreciated by those who are thus seeking to promote and advance the cause of free education, and they are ready to accept advice and apply proper remedies for the removal of existing errors. But, unfortunately, this is not the object of most of modern school reforms and critics. They have no desire to better the schools or assist in remedying educational defects. Whilst professing to be friends of public instruction, they are really its enemies. They are constantly crying for reform, and claim to be dissatisfied with the management of the schools, whilst they admit that the results are creditable and satisfactory. They publish that our school system is a source of pride to our citizens, and equal to the best in our country, and that the tax for their support is most cheerfully paid, and yet charge that public confidence is impaired because of the alleged existence of political influence in the management. They wish a change in the present method of appointing commissioners and teachers, which has been producing such good results in the past, but are unable to suggest any better mode for the appointment of either. Such criticism is neither honorable nor

just, and must be the result either of ignorance or prejudice, and is doubtless sometimes intended to excite hostility to our schools. Every committee that has been appointed by the city for the examination of our school system, whilst reporting some existing defects, has most favorably sustained its management and results, and commended it to public confidence.

It should, therefore, be clearly understood that those in charge of our public schools are always willing to reform any abuses that may be found in our methods, and cordially invite the public to examine their work and its results, and to suggest proper remedies for existing errors.

It is again our painful duty to record the deaths during the year of several of our most experienced and successful teachers. We appreciate their conscientious devotion to duty whilst in our schools, and will ever remember them as valuable assistants in the noble work of public education. It is easy to find others who are ready to accept the vacant places, but it is more difficult to obtain those who can perform the duties as they had been performed by those who have been removed. During the past year twelve teachers have died, being a greater number than during any previous year.

HELEN TIFFANY.

Teacher of Drawing. Died January 17th, 1890.

ELEANOR M. CAREY.

Principal of Male Primary School No. 21. Died March 8th, 1890.

CLARA E. ALBERT.

Assistant in Colored School No. 8. Died March 16th, 1890.

SALLIE E. BARNES.

Assistant in Grammar School No. 18. Died June 4th, 1890.

DR. WILLIAM ELLIOTT, Jr.

Pricipal Baltimore City College. Died July 1st, 1890.

SALLIE E. RATICAN.

Assistant in Male Primary School No. 16. Died July 1st, 1890.

MAMIE McWILLIAMS.

Assistant in Male Primary School No. 3. Died July 17th, 1890.

SADIE G. CORRIGAN.

Assistant in Annex School No. 6. Died September 1st, 1890.

MOLLIE SISSON.

Assistant in Female Primary School No. 16. Died October 10th, 1890.

KATE MILLER.

Principal of Male Primary School No. 25. Died December 11th, 1890.

CORINNE SKINNER.

Assistant of Male Grammar School No. 10. Died December 11th, 1890.

We have thus briefly reported the work of the schools during the past year, and now commend them to your consideration and care. Whilst all may not have been accomplished that was desired, yet it is gratifying to know that they have not retrograded, but that improvement has been made in each department.

Some changes have been made which it is hoped will prove beneficial. Whilst adhering to old methods, which have stood the test of years, and have proved to be worthy of our confidence, yet we will not hesitate to make changes when satisfied that they will promote the interests of the schools.

Our citizens show their appreciation of free education by their liberal support of our system which has secured public confidence. The class opposition which once existed against free instruction has nearly disappeared, and public schools are no longer classified with public charities. A majority of our best and most useful citizens have received their education in these schools, and they remember them with gratitude and respect.

Their prosperity in the future will largely depend upon those who may be appointed to manage this important interest. They are now free from sectarian and political influence, and no person should be al-

lowed to assist in their future management and control, who would pervert his office to partisan purposes, or personal benefit.

He should be an intelligent and true friend of free education, and his whole purpose in this relation should be to promote the interests of the schools and increase their usefulness.

In 1877, a Commission of five citizens, interested in the cause of public education, of which the late Judge George Wm. Brown was the President, was appointed by the Mayor and City Council to inquire into the public school system of our city, and whether any other system should be substituted for it.

After a thorough examination of the system, continuing over a period of nearly two years, and comparing it with the school systems of other cities and countries, the Commission made a full report, suggesting some changes, but not recommending the substitution of any other system.

In closing its report, the Commission paid a high tribute to the efficiency of the teachers and success of the schools, and said "the investigations of the Commission have satisfied it that the history and present condition of the public schools in this city should be a source of pride and congratulation to its citizens. Our

school system is the creation of the last fifty years. During that time it has expanded from nothing to its present great proportions. In the course of these fifty years the school system has not grown in size only. Its whole history shows a constant improvement in organization and administration in the methods of selecting teachers, in the teaching and in the education given to the young.

"Indeed, we are confident that there are general influences at work which will continue to improve the schools in the future as in the past, even if no radical changes are made. We believe the public schools have done a great work and will do a greater."

JOHN T. MORRIS,

President.

ANNUAL REPORT

OF THE

COMMITTEE ON ACCOUNTS.

BALTIMORE, December 31st, 1890.

TO THE BOARD:

Your Committee on Accounts, in compliance with the rules of the board—Art. 3, Sec. 9—have carefully examined all bills against the board presented during the year and respectfully report, that during the year 1890 we have examined and approved bills against this board amounting to $174,099.96.

The amount of the pay rolls for the year is $733,-611.15. The sum of the bills and pay rolls is $907,-711.11, which is the total amount of the current expenses of the board for the year.

The rule also requires that this committee shall examine the accounts of the secretary. This we have done, and after a careful examination of said accounts, and a comparison with the statements of the principals of the amounts received from non-residents, we find his accounts correct.

The amount received by him from non-residents was $3,282.80 and from intestates' estates $731.60, making a total of $4,014.40. This amount has all been paid over by the Secretary to the City Register as shown by the receipts of that officer.

It is customary for this committee to pass upon the estimated amounts which will be required for the coming year. Having scrutinized minutely the expenditures for the several items during the past year and carefully considered the causes, which in our judgment will probably operate to add to, or lessen these expenditures during the coming year, we respectfully submit the following

ESTIMATES FOR THE YEAR 1891.

Salaries		$ 685,000
Rents and ground rents		35,000
Books and stationery		45,000
Heating apparatus and its repairs		9,000
Furniture		15,000
Fuel		25,000
Repairs and cleaning		9,000
Incidentals, printing, supplies, &c		12,000
		$835,000
Annex Schools—salaries	$ 76,000	
" " sundries	20,000	
		96,000
Manual Training School		27,000
Total		$ 958,000

With a view to making it plain to all who are interested in the matter that the above estimates are honestly and conscientiously made, we submit the following explanations and reasons for the amounts therein given. In a department so extensive as is that of the public schools of our city, and into which there are so many conditions and circumstances which may or may not come to increase or diminish the amount actually required, it cannot be reasonably expected that our estimates will exactly meet our expenditures. But to show how carefully our estimates are made, we instance the item of salaries for 1890, for which our estimate was $656,000, and our expenditure $656,960.10. That our estimate should come so near to the actual expenditure, when during the year there was an increase of 57 teachers and of $28,328 over the amount expended for said item the preceding year, we think is sufficient to prove that our calculations are made upon the correct basis. Notwithstanding this close calculation and the fact that $653,730 was required for this item without the addition of a single dollar to the pay roll, as it was for December, 1889, the City Council appropriated only $650,000 for that item for 1890. We saw at once that a deficiency in this item was inevitable, and to avoid a general deficiency it became necessary to practice the most rigid economy all along the line; requests for furniture had to be denied; orders for books and stationery carried over; much needed repairs postponed, and all of these facts must be considered in making the estimates for 1891.

In making our estimates for the year 1891 we have endeavored to bring them as near to the actual requirements as can be done without danger of deficiency, as we think is made apparent by the following explanations:

1ST.—SALARIES.

In estimating for this item we take the amount of the pay roll for December, 1890, multiply it by twelve and to that product add from one thousand to five thousand dollars, according to the increase of teachers during the two years next preceding. The amount of the pay roll for December, 1890, was $56,617.25. That amount multiplied by twelve gives $679,407. As the increase in the number of teachers in 1889 and 1890 was unprecedentedly large we do not feel justified in asking less than $685,000.

2D.—RENTS AND GROUND RENTS.

The amount of rents and ground rents as standing at this date is $33,510.73.

We do not know of any proposed changes which will serve to diminish this amount, but it is almost certain that extra accommodations will have to be rented for several of the schools during a portion of the year, and we have therefore placed the estimate at $35,000. This is $1,000 less than the appropriation for 1890 and nearly $400 less than the amount ex-

pended. This reduction is owing to the fact that new buildings were erected, enabling the Board to give up several rented buildings.

3D.—BOOKS AND STATIONERY.

The amount appropriated for this item for 1890 was $45,000. Amount expended, $42,828.74. Estimate for 1891, $45,000.

The amount of the difference between the expenditure of 1890 and the estimate for 1891 will be required to provide for the large increase in the number of pupils, much of which should have been provided for in 1890, but was withheld to supply the deficiency in the salary account.

4TH.—HEATING APPARATUS.

Amount appropriated for 1890 ..... $8,000 00
" expended 7,017 16

This amount was expended exclusively for repairs and a few new stoves. No new furnaces were supplied. It is probable that during the coming year two new furnaces will be needed at Female Grammar No. 16, and three more at English-German No. 4, and probably others in place of old ones in other schools. To meet these wants we have fixed our estimate for this item at $9,000.

5TH —FURNITURE.

Amount appropriated for 1890.....$20,000 00
" expended was..... 16,938 44

A much larger amount would have been expended but for the deficiency in the salary account. To furnish three new buildings of twelve rooms each ; two old buildings eight rooms each ; new furniture for old buildings and contingencies which may arise, as in case of fire, will require not less than $15,000. And we fix our estimate at that amount.

6TH.—FUEL.

Amount appropriated for 1890.....$24,000
" expended 23,492

The entire amount of the appropriation was needed and would have been expended had it not been for the rigid economy hereinbefore mentioned. We cannot know what may be the price of coal a few months hence, and the quantity to be supplied is so great that a difference of only twenty-five cents per ton would make a difference of nearly $1,000 in the total. We do not think it prudent to make our estimate for this item less than $25,000.

7TH.—REPAIRS AND CLEANING.

Amount appropriated for 1890.....$9,000 00
" expended..... 8,433 67

Knowing that the strictest economy was practiced in this, as in other items, and that needed repairs had to be postponed, and yet the appropriation was so nearly exhausted, and knowing no point where a reduction can be made, we fix the estimate for 1891 at $9,000.

8TH.—INCIDENTALS.

Amount appropriated for 1890	$10,000 00
" expended	10,378 49

To this item are charged all bills which do not properly belong to any of the other items, as for example, all bills for printing, advertising, office supplies, rearranging furniture, making platforms, coal bins, hanging maps and blackboards, rent of telephone, blanks for teachers' reports, buckets, cups, &c.

We make our estimate for this item $12,000.

9TH.—ANNEX SCHOOLS.

For salaries we estimate	$76,000 00
The pay roll for December, 1890, was	6,158 25
This multiplied by 12 gives	73,899 00

as the amount required without any addition to the roll. The increase in the average attendance of pupils in these schools in 1890 was 444, requiring ten additional teachers, which indicates that there is really no margin in our estimate.

For all the other items, rents, books, furniture, fuel, repairs and incidentals, we place our estimate at the low figure of..... .$20,000 00

10TH.—MANUAL TRAINING SCHOOL.

Amount appropriated for 1890..... $30,000 00
" expended..... 29,984 77

Taking off the amount expended for new furniture for the new building in 1890, the committee on said school has fixed the estimate for 1891 at $27,000, which is $3,000 less than the amount appropriated in 1890.

Feeling confident that these explanations are sufficient to convince any one that the amounts asked for are needed, we trust the Mayor and City Council will make no reductions in these amounts.

Respectfully submitted,

ALCAEUS HOOPER, *Chairman.*
CHAS. J. WIENER,
EDWARD A. BURKE,
W. H. B. FUSSELBAUGH, of J.
JACOB S. BARNES.

Secretary's Statement.

Showing amounts of estimates, appropriations and current expenditures for support of public schools for 1890.

The estimates of the board and the appropriations by the Mayor and City Council are made under three general headings.

1st. The "General Account," which includes all the schools in the old limits except the Manual Training School.

2d. The Manual Training School.

3d. The Annex schools, or schools in the recently annexed territory.

These amounts are sub-divided and for the year 1890 were as follows:

ESTIMATES BY THIS BOARD FOR 1890.

For Salaries	Gen'l Acct.	$656,000
" rents and ground rents	"	36,000
" books and stationery	"	50,000
" heating apts. and its repairs.	"	12,000
" furniture	"	25,000
" fuel	"	30,000
" repairs and cleaning	"	10,000
" incidentals, printing, &c.	"	12,000
Amount carried forward		$831,000

Amount brought forward		$831,000
For the Manual Training School		30,000
" Annex schools, salaries	$72,000	
" " " sundries	22,500	
		94,500
		$955,500

The estimate for salaries in the Annex schools was made with the expectation that the Mayor and City Council would authorize the placing of those salaries on the same scale as those in the old limits. Failing in that the estimate was reduced to the extent of $9,000, thus making that estimate $63,000, and the total $946,500.

The amounts appropriated by the Mayor and City Council were:

For salaries	Gen'l Acct.	$650,000
" rents and ground rents	"	36,000
" books and stationery	"	45,000
" heating apts and its repairs.	"	8,000
" furniture	"	20,000
" fuel	"	24,000
" repairs and cleaning	"	9,000
" incidentals, printing, &c	"	10,000
		$802,000

Amount brought forward		$802,000
For Manual Training School	$25,000	
" " " " furniture.	5,000	
		30,000
" Annex schools, salaries	$63,000	
" " " sundries	12,000	
		75,000
		$907,000

There was also received by the board from intestates' estates $731.60, which was applied to the account of annex sundries, making the total amount of appropriations, &c $907,731 60

By resolution No. 218 of the Mayor and City Council, approved October 28th, 1890, this board was "authorized to expend the amounts appropriated for the same, transferring, &c , as the same shall be necessary."

Under authority of this resolution the expenditures of the board were as follows:

For Salaries	Gen'l Acct.	$656,960 10
" rents and ground rents	"	35,398 81
" books and stationery	"	42,828 74
" heating apts. and its repairs	"	7,067 71
Amount carried forward		$742,255 36

Amount brought forward		$742,255 36
" furniture	Gen'l Acct.	16,938 44
" fuel	"	23,578 76
" repairs and cleaning	"	8,599 47
" incidentals, printing, &c.	"	10,622 75
		$801,994 78
For Manual Training School		29,984 77
" Annex schools, salaries	$61,784 30	
" " " sundries	13,947 26	
		75,731 56
		$907,711 11

The amounts transferred under authority of the resolution before mentioned are as follows:

From rents and ground rents	to salaries		$ 601 10
" books and stationery	"	"	2,171 25
" heating-apparatus	"	"	932 25
" furniture	"	"	3,061 50
" fuel	"	"	194 00
			$6,960 10
From fuel account	to incidentals	$222 75	
" repairs & cleaning	to incidentals	400 00	
			622 75
From annex salaries	to annex sundries		1,215 70

The itemized expenditures for white and colored schools on the general account taken separately are as follows:

	White.	Colored.
Salaries	$573,035 80	$83,924 30
Repairs and cleaning	7,649 29	950 18
Books and stationery	37,886 01	4,942 73
Rents and ground rents	31,901 82	3,496 99
Heating apparatus	6,343 12	724 59
Furniture	16,782 49	155 95
Fuel	20,888 61	2,690 15
Incidentals	10,463 20	159 55
	$704,950 34	$97,044 44

The anticipated receipts, as estimated by the Committee on Ways and Means, were

From taxes, 26 cents on $100, on basis of $274,000,000 with 72 per cent. collectible	$512,928 00
From arrears of taxes	173,473 69
" State of Maryland	162,000 00
" tuition fees, &c	3,600 00
	$852,001 69

The amounts actually received were

From the city—taxes	$656,125 07
" " state—taxes	182,619 24
" non-resident pupils, &c	3,410 85
" intestates' estates	731 60
	$842,886 76

AMOUNTS EXPENDED BY THE INSPECTOR OF BUILDINGS.

On account of new buildings :

Account of	Manual Training School.....				$ 12,769	32
"	"	Grammar School No. 8.....			14,338	25
"	"	Eng. Ger.	"	" 5.....	24,389	77
"	"	Grammar	"	" 20.....	24,666	63
"	"	Primary	"	" 13.....	13,096	87
"	"	"	"	" 24.....	16,277	35
"	"	"	"	" 31.....	20,445	92
"	"	"	"	" 32.....	21,000	00
"	"	"	"	" 33.....	20,953	80
					$167,937	91
Account of	Annex No. 4...			$20,517 85		
"	"	"	" 13.....	13,589 87		
"	"	"	" 34.....	17,957 47		
					52,065	19
	Total for new buildings.....				*$220,003	10
For general repairs.....				$ 9,000 00		
"	wood ceilings.....			2,000 00		
"	painting school houses			4,000 00		
"	sanitary improvements.....			1,500 00		
"	cleaning sinks.....			1,058 38		
"	remodeling Primary No. 20.			7,400 00		
"	enclosing E. F. High School.			2,175 22		
"	glazing after hail storm.....			1,200 00		
					$ 28,333	60
For repairs in Annex.....					2,000	00
					$ 30,333	60
	Total by Inspector of Buildings....				$ 250,336	70

*Paid out of $5,000,000 loan.

SUMMARY.

Amount expended for salaries, Gen'l Acct.	$ 656,960	10
" " " sundries, " .	145,034	68
" " " salaries in Annex .	61,784	30
" " " sundries " .	13,947	26
" " " Man'l Train'g School	29,984	77
" " by Inspector of Buildings	250,336	70
Total	$1,158,047	81

The following tables exhibit the amounts expended by the board in each month of the year; the itemized and total expenditures for each school; the location of each building; size of lot; amount of ground rent; paid for lot; size of building; estimated value of building; location of rented buildings, &c.

HENRY M. COWLES,

Secretary.

TABLE A.

Showing the Amount Expended during each month of the year 1890.

Months.	Salaries.	Repairs and Cleaning.	Books and Stationery.	Rents and Ground Rents.	Heating Apparatus and its Repairs.	Furniture.	Fuel.	Incidentals, Printing, &c.	Manual Training School.	Annex Schools.	Totals.
January...	54,478 55	130 57	2,445 88	5,507 25	151 85	.....	.....	387 67	1,721 30	5,906 48	70,729 55
February..	54,541 00	255 49	3,176 93	881 50	305 44	107 95	188 13	318 45	1,851 33	7,045 52	68,671 74
March....	54,547 50	338 37	1,139 88	1,535 09	52 16	291 15	343 76	768 55	1,639 72	5,535 06	66,191 24
April.....	54,923 00	277 38	285 77	4,539 14	32 17	1,444 02	1,203 75	651 25	1,889 14	5,767 21	71,012 83
May.....	54,301 30	312 40	942 29	3,717 47	186 93	454 59	430 40	1,764 92	4,132 90	5,487 77	71,730 97
June.....	107,591 85	137 45	949 32	1,660 58	1,832 81	421 54	.....	505 91	5,713 75	10,114 35	128,927 56
July.....	.....	1,078 90	717 86	5,314 12	1,401 81	3,548 85	16,011 79	2,204 69	2,535 70	2,520 95	35,334 67
August....	53,138 60	1,657 66	....	862 25	1,210 78	1,542 54	4,064 93	357 96	1,306 33	5,563 87	69,704 92
September	54,210 65	1,955 71	5,716 84	1,856 19	465 75	1,312 91	109 50	895 05	1,209 73	5,285 33	73,017 66
October..	56,144 80	921 38	23,151 92	3,855 76	608 49	2,817 40	487 00	944 87	1,901 88	9,013 36	99,846 86
November	56,465 60	336 33	4,063 41	4,116 37	704 49	2,130 13	652 75	1,175 75	1,663 52	7,144 81	78,453 16
December	56,617 25	1,197 83	238 64	1,553 09	115 03	2,867 36	86 75	647 68	4,419 47	6,346 85	74,089 95
Totals .	656,960 10	8,599 47	42,828 74	35,398 81	7,067 71	16,938 44	23,578 76	10,622 75	29,984 77	75,731 56	907,711 11

TABLE B.

Showing the Itemized Expenditures for each School.

Schools.	Salaries.	Repairs and Cleaning.	Books and Stationery.	Rents and Ground Rents.	Heating Apparat's and its Repairs.	Furniture.	Fuel.	Incidentals, Printing, &c.	Totals.
General Expense Account	18,499 40	589 21	403 49	830 00	39 80	82 15	.....	5,956 81	26,400 86
Baltimore City College	29,380 50	765 22	1,519 97	4,600 00	300 33	413 59	656 10	1,142 60	38,778 31
Eastern Female High School	11,122 00	50 40	649 75	618 32	6 33	102 00	396 88	165 03	13,110 71
Western " " "	14,415 00	38 35	826 99	1,188 00	183 59	8 50	442 10	217 06	17,319 59
Manual Training School	14,866 75	340 72	993 65	520 00	806 81	3,984 16	499 75	7,972 93	29,984 77
Male Grammar No. 1	5,280 00	65 53	524 82	177 00	102 82	7 50	225 15	18 76	6,401 58
" " 2	6,641 05	19 00	723 09	122 22	56 05	37 50	298 00	52 75	7,949 66
" " 3	4,154 40	18 50	163 06	225 00	31 50	.....	119 62	13 14	4,725 22
" " 4	4,490 50	26 57	449 95	300 00	48 72	17 00	94 05	68 51	5,495 30
" " 5	4,353 50	57 95	413 00	300 00	60 99	.....	115 80	6 40	5,307 64
" " 6	6,894 00	135 22	771 77	400 00	71 15	183 50	181 40	64 85	8,701 89
" " 7	5,165 10	35 00	472 82	175 00	64 60	24 29	158 78	5 92	6,101 51
" " 8	6,299 50	180 35	632 39	425 00	76 43	446 55	233 75	80 44	8,374 41
Male Grammar & Primary No. 9	3,803 00	90 30	248 53	360 00	8 60	.....	140 75	84 74	4,735 92
" No. 10	5,054 95	56 10	401 21	87 50	89 19	46 63	114 15	10 08	5,859 81
" " 11	5,163 35	87 50	449 69	9 50	59 30	.....	308 98	16 34	6,094 66
" " 12	5,278 50	18 82	422 55	310 31	124 45	100 00	238 70	.....	6,493 33
" " 13	3,906 25	68 00	311 83	25 00	47 92	20 21	96 04	1 08	4,476 33
" " 15	8,453 10	44 50	950 00	400 00	59 36	51 00	282 80	.....	10,240 76
" " 17	4,575 00	27 88	375 04	290 63	66 91	8 00	91 34	.....	5,434 80
" " 18	4,132 75	21 25	356 36	175 33	56 80	7 43	150 30	6 14	4,906 36
" " 19	4,860 00	72 44	541 22	137 25	45 54	27 39	164 09	77 01	5,924 94
" " 20	6,310 25	135 00	689 76	148 00	39 40	1,092 34	285 99	131 28	8,832 02
" " 21	6,028 00	130 66	691 21	310 00	59 54	43 85	151 90	14 84	7,430 00
Totals, Male Grammar	100,843 20	1,290 57	9,588 30	4,377 74	1,169 27	2,113 19	3,451 59	652 28	123,486 14

TABLE B—Continued.

Schools.	Salaries.	Repairs and Cleaning.	Books and Stationery.	Rents and Ground Rents.	Heating Apparat's and its Repairs.	Furniture.	Fuel.	Incidentals, Printing, &c.	Totals.
English-German No. 1	9,287 65	67 50	643 50	150 00	118 73	17 43	203 20	7 99	10,496 00
" " 2	14,910 50	105 77	1,168 18	372 50	74 95	3 60	417 80	26 35	17,079 65
" " 3	16,882 60	.....	1,044 62	1,000 00	119 19	43 44	340 28	15 64	19,445 77
" " 4	15,561 45	29 80	1,121 72	501 75	85 55	.....	353 97	20 25	17,674 49
" " 5	11,450 70	50 00	1,240 64	.....	104 83	2,128 84	592 13	181 79	15,748 93
Totals, English-German	68,092 90	253 07	5,218 66	2,024 25	503 25	2,193 31	1,907 38	252 02	80,444 84
Female Grammar No. 1	5,735 50	36 90	428 66	534 38	94 50	34 26	203 90	8 76	7,076 86
" " 2	5,029 50	20 50	509 86	122 22	19 55	37 00	316 25	6 05	6,060 93
" " 3	3,227 25	39 00	229 67	225 00	22 00	25 09	131 84	4 00	3,903 85
" " 4	3,666 00	19 00	319 89	300 00	43 75	24 30	119 50	52 00	4,544 44
" " 5	3,744 75	50 95	294 29	300 00	47 49	30 36	132 22	5 28	4,605 34
" " 6	6,047 50	79 96	616 65	475 00	89 92	232 63	192 00	11 96	7,745 62
" " 7	4,223 25	13 00	363 16	175 00	47 30	36 61	190 53	23 76	5,072 61
" " 8	5,729 25	119 30	538 50	350 00	53 75	448 88	226 25	54 10	7,520 03
Female Gram. & Primary No. 9	3,109 50	56 60	194 82	600 00	50 08	.....	144 25	32 50	4,187 75
Female Grammar No. 10	4,614 50	63 90	418 35	87 50	61 76	15 50	118 15	7 00	5,386 66
" " 11	4,263 50	88 34	409 94	9 50	43 00	18 60	322 33	3 20	5,158 41
" " 12	4,229 25	1 50	372 79	310 31	59 60	106 24	259 70	.....	5,339 39
" " 13	3,639 00	87 63	324 65	.....	40 00	17 16	118 54	1 89	4,228 87
" " 15	8,271 30	8 10	849 85	.....	48 65	57 26	282 80	9 76	9,527 72
" " 16	6,090 00	59 51	526 82	575 00	112 70	.....	374 18	5 15	7,743 36
" " 17	4,146 00	29 50	394 35	290 62	55 03	10 43	106 00	1 14	5,033 07
" " 18	3,258 75	21 50	229 11	175 34	51 25	3 25	165 00	.....	3,904 20
" " 19	4,128 25	93 86	399 92	454 50	31 06	21 65	175 60	21 35	5,326 19
" " 20	6,110 80	61 53	656 58	238 00	18 70	1,089 90	305 83	83 20	8,564 54
" ". 21	6,619 50	80 62	745 69	760 00	68 83	73 11	218 08	6 60	8,572 43
Totals, Female Grammar	95,883 35	1,031 20	8,823 55	5,982 37	1,058 92	2,282 23	4,102 95	337 70	119,502 27

Male Primary No. 1	4,824 00	18 65	175 92	177 00	84 67	9 03	198 90	1 14	5,489 31
" " 2	2,750 25	12 50	103 20	125 00	27 50	3 25	91 34	5 45	3,118 49
" " 3	3,303 00	23 00	142 22	225 00	22 00	12 00	114 62	2 55	3,844 39
" " 4	3,219 00	23 30	128 01	105 00	33 90	3 00	93 65	3 20	3,609 06
" " 5	5,160 70	60 10	232 02	300 00	53 95	183 80	184 34	10 31	6,185 22
" " 6	4,124 55	44 32	241 43	219 25	54 70	121 73	142 50	52 38	5,000 86
Male Primary No. 7	2,776 50	43 50	124 68	.....	38 50	.....	93 80	14 78	3,091 76
" " 8	2,262 50	86 00	122 69	110 67	30 00	8 00	182 94	.....	2,802 80
" " 10	3,201 10	31 05	150 88	100 00	46 15	13 50	81 05	.....	3,623 73
" " 11	6,218 50	.....	299 90	378 50	45 85	.....	217 05	.....	7,159 80
" " 12	4,511 60	43 46	225 00	134 00	45 00	.....	114 65	.....	5,073 71
" " 13	2,421 00	36 50	100 01	100 00	59 00	828 93	190 74	134 99	3,871 17
" " 14	3,878 00	38 00	179 61	420 00	51 83	31 95	174 88	5 90	4,780 17
" " 15	5,119 50	35 50	250 10	350 00	50 01	.....	124 58	.....	5,929 69
" " 16	3,794 50	56 07	165 48	395 00	70 79	.....	134 70	.....	4,616 54
" " 17	4,471 75	71 22	225 06	108 50	55 82	9 25	119 65	1 00	5,062 25
" " 18	3,222 50	24 90	159 73	157 50	55 20	5 75	93 20	8 94	3,727 72
Male & Female Primary No. 19*	4,906 15	27 45	126 84	137 25	89 31	18 00	33 00	.....	5,338 00
Male Primary No. 20	7,891 15	437 68	374 00	578 00	177 41	268 78	183 35	211 84	10,122 21
" " 21	4,042 90	22 63	140 94	101 50	91 27	48 05	127 45	.....	4,574 74
" " 22	4,262 75	101 82	209 08	88 75	63 02	26 85	124 90	54 04	4,931 21
" " 23	4,213 70	12 65	192 14	75 00	27 25	5 43	162 51	1 89	4,690 57
" " 24	3,908 00	25 75	138 43	100 00	67 12	810 16	256 94	95 75	5,402 15
" " 25	2,741 50	24 40	114 26	67 00	21 45	14 00	97 00	.....	3,079 61
" " 26	2,755 50	30 95	119 80	63 00	22 50	.....	115 79	1 25	3,108 79
" " 27	3,999 30	20 17	210 00	137 25	54 78	39 31	88 80	57 91	4,607 52
" " 28	4,951 20	347 54	260 46	360 00	54 33	22 50	130 75	30 50	6,157 28
" " 29	2,367 50	71 10	92 94	285 00	36 87	.....	153 65	3 20	3,010 26
" " 30	6,745 70	186 90	310 75	700 00	20 50	.....	355 60	11 75	8,331 20
" " 31	2,671 20	2 00	95 60	95 34	32 50	691 13	164 75	88 60	3,841 12
" " 32	1,239 75	27 50	256 15	.....	27 00	744 09	205 00	123 74	2,623 23
" " 33	401 25	10 00	32 78	.....	24 50	715 83	175 75	140 99	1,501 10
Totals, Male Primary	122,356 50	1,996 61	5,700 11	6,193 51	1,634 68	4,634 32	4,727 83	1,062 10	148,305 66

* Including all amounts paid on account of the separate schools and the consolidated schools.

TABLE B—Continued.

Schools.	Salaries.	Repairs and Cleaning.	Books and Stationery.	Rents and Ground Rents.	Heating Apparat's and its Repairs.	Furniture.	Fuel.	Incidentals, Printing, &c.	Totals.
Female Primary No. 1	5,297 25	.....	169 04	534 37	64 00	.....	203 90	.....	6,268 56
" " 2	2,741 50	17 80	123 01	125 00	33 95	45 29	111 00	9 09	3,206 64
" " 3	3,265 00	25 25	148 39	225 00	22 00	3 25	121 12	.....	3,810 01
" " 4	3,183 00	24 07	91 20	105 00	30 70	5 00	114 65	11 85	3,565 47
" " 5	4,890 50	71 15	186 50	300 00	44 00	214 52	201 56	4 56	5,912 79
" " 6	4,707 45	30 40	270 00	219 25	63 70	112 01	178 75	6 50	5,588 06
" " 7	2,200 60	17 50	100 93	.....	32 50	.....	103 80	.....	2,455 33
" " 8	2,693 00	69 50	106 41	110 67	54 33	13 43	202 94	1 08	3,251 36
" " 10	3,209 50	12 50	152 58	100 00	66 13	22 40	93 43	4 38	3,660 92
" " 11	5,685 50	100 00	279 94	378 50	39 00	3 25	238 50	.....	6,724 69
" " 12	4,609 25	45 10	223 12	134 00	45 00	31 32	142 63	13 23	5,243 65
" " 13	2,417 00	14 00	99 90	50 00	51 11	808 77	219 45	76 25	3,736 48
" " 14	3,309 85	5 25	96 85	420 00	18 00	25 77	191 37	.....	4,067 09
" " 15	5,076 05	32 75	212 82	350 00	48 20	33 33	135 57	1 08	5,889 80
" " 16	3,319 25	54 55	140 09	395 00	70 14	10 86	167 55	5 48	4,162 92
" " 17	4,452 20	42 65	97 57	108 50	55 46	5 43	158 13	1 60	4,921 54
" " 18	3,165 20	19 40	154 91	157 50	44 81	27 90	109 50	6 60	3,685 82
" " 20	6,526 50	360 32	339 94	448 00	171 22	268 53	203 46	154 10	8,472 07
" " 21	3,640 95	19 30	103 29	218 50	58 26	11 43	148 00	1 08	4,200 81
" " 22	3,962 25	33 50	224 74	88 75	63 35	90 67	118 15	13 04	4,594 45
" " 23	4,224 55	100 00	215 90	75 00	20 00	.....	187 51	.....	4,822 96
" " 24	3,419 85	97 23	164 65	133 34	27 33	809 73	281 94	116 93	5,051 00
" " 25	2,750 25	12 50	138 29	67 00	20 75	.....	120 50	.....	3,109 29
" " 26	2,760 50	12 50	108 89	63 00	29 10	.....	122 89	.....	3,096 88
" " 27	4,149 25	23 40	233 73	137 25	45 14	43 06	111 30	22 27	4,765 40
" " 28	4,468 75	51 55	134 72	210 00	66 43	74 94	156 75	10 16	5,173 30
" " 29	2,338 25	63 60	106 59	285 00	33 88	24 00	164 15	3 40	3,018 87
" " 30	5,827 25	263 89	308 88	535 00	59 46	12 00	352 53	20 00	7,379 01

" " 31	2,629 75	.....	163 54	114 00	24 50	747 88	161 75	37 95	3,879 37
" " 32	1,115 75	15 00	233 30	.....	17 50	740 49	227 00	63 31	2,412 35
" " 33	407 00	.....	25 47	.....	27 00	767 94	154 00	93 66	1,475 07
Totals, Female Primary	112,442 95	1,634 66	5,155 19	6,087 63	1,446 95	4,953 20	5,203 78	677 60	137,601 96
High and Grammar, Colored*	11,979 95	272 28	1,802 80	500 00	36 80	6 23	504 38	71 20	15,173 64
Male Colored No. 1	2,895 40	90 99	159 33	300 00	6 00	.....	51 50	27 07	3,530 29
" " 2	3,817 00	17 50	172 24	12 50	56 37	.....	115 80	.....	4,191 41
" " 3	5,098 25	57 49	197 91	156 00	62 87	8 00	162 20	.....	5,742 72
" " 4	4,925 80	12 50	166 41	590 00	32 73	6 50	79 55	9 00	5,822 49
" " 5	3,766 00	38 44	169 24	194 99	23 00	5 43	150 00	4 38	4,351 48
" " 6	3,551 20	40 90	115 99	75 00	33 00	22 50	113 75	21 20	3,973 54
" " 7	6,222 00	32 20	265 00	240 00	55 81	.....	212 30	.....	7,027 31
" " 8	3,422 40	49 00	165 00	65 00	24 00	11 43	103 80	12 54	3,853 17
" " 9	3,872 25	48 30	108 86	.....	.....	16 50	152 45	7 50	4,205 86
Female Colored No. 1	3,780 50	6 40	208 91	150 00	.....	.....	.....	.....	4,145 81
" " 2	3,664 50	29 80	171 36	12 50	53 55	20 36	132 23	2 16	4,086 46
" " 3	5,019 95	38 00	255 40	156 00	69 21	.....	176 25	.....	5,714 81
" " 4	4,521 15	13 50	140 11	590 00	30 88	.....	90 00	.....	5,385 64
" " 6	3,056 60	39 45	174 18	150 00	33 50	3 10	134 90	.....	3,591 73
" " 7	7,493 45	90 18	346 12	240 00	184 37	39 90	228 00	.....	8,622 02
" " 8	3,616 65	59 95	189 76	65 00	22 50	.....	109 04	.....	4,062 90
" " 9	3,221 25	13 30	134 11	.....	.....	16 00	174 00	4 50	3,563 16
Totals, Colored	83,924 30	950 18	4,942 73	3,496 99	724 59	155 95	2,690 15	159 55	97,044 44

*Including its Annexes.

TABLE B—Continued.

Schools.	Salaries.	Repairs and Cleaning.	Books and Stationery.	Rents and Ground Rents.	Heating Apparat's and its Repairs.	Furniture.	Fuel.	Incidentals, Printing, &c.	Totals.
Annex No. 1	3,152 00	40 00	160 83	144 00	73 16	61 93	157 03	14 48	3,803 43
" " 2	7,506 25	40 00	417 21	.....	105 09	12 00	325 50	22 85	8,428 90
" " 3	7,332 15	116 70	692 83	770 00	68 21	34 00	311 70	123 29	9,448 88
" " 4	3,603 25	321 33	128 97	465 00	5 00	59 50	281 00	147 81	5,011 86
" " 5	2,561 75	22 50	122 50	.....	33 84	.....	187 60	.....	2,928 19
" " 6	4,185 50	31 50	501 72	350 00	50 27	.....	370 50	30 00	5,519 49
" " 7	4,743 20	.....	307 06	22 50	121 57	31 70	200 05	.....	5,426 08
" " 8	3,889 50	14 94	372 72	.....	45 00	13 60	206 10	20 70	4,562 56
" " 9	3,210 00	.....	128 11	.....	38 07	49 00	101 23	.....	3,526 41
" " 10	3,397 25	35 15	275 45	180 00	58 35	.....	170 30	18 08	4,134 58
" " 11	3,296 70	35 00	167 33	116 67	23 82	.....	78 23	.....	3,717 75
" " 12	7,527 10	22 80	328 42	691 67	57 16	32 71	334 30	39 35	9,033 51
" " 13	4,075 70	30 29	171 17	360 00	4 30	.....	86 20	5 85	4,733 51
" " 14	1,168 95	.....	37 46	120 00	11 43	.....	27 35	.....	1,365 19
" " 34, Male	241 00	164 18	7 04	.....	373 50	153 91	39 00	61 36	1,039 99
" " 34, Female	202 00	163 97	6 81	.....	373 50	152 75	39 00	34 00	972 03
Annex Colored No. 1	1,269 65	10 00	76 89	50 00	23 68	13 03	38 85	1 14	1,483 24
" " 3	422 35	32 66	18 88	96 00	.....	.....	26 07	.....	595 96
Totals, Annex	61,784 30	1,081 02	3,921 40	3,365 84	1,465 95	614 13	2,980 01	518 91	75,731 56

TABLE B—Concluded.

SUMMARY.

Schools.	Salaries.	Repairs and Cleaning.	Books and Stationery.	Rents and Ground Rents.	Heating Apparat's and its Repairs.	Furniture.	Fuel.	Incidentals, Printing, &c.	Totals.
General Expense	18,499 40	589 21	403 49	830 00	39 80	82 15	.....	5,956 81	26,400 86
Baltimore City College	29,380 50	765 22	1,519 97	4,600 00	300 33	413 59	656 10	1,142 60	38,778 31
E. & W. F. High Schools	25,537 00	88 75	1,476 74	1,806 32	189 92	110 50	838 98	382 09	30,430 30
Male Grammar Schools	100,843 20	1,290 57	9,588 30	4,377 74	1,169 27	2,113 19	3,451 59	652 28	123,486 14
English-German Schools	68,092 90	253 07	5,218 66	2,024 25	503 25	2,193 31	1,907 38	252 02	80,444 84
Female Grammar Schools	95,883 35	1,031 20	8,823 55	5,982 37	1,058 92	2,282 23	4,102 95	337 70	119,502 27
Male Primary Schools	122,356 50	1,996 61	5,700 11	6,193 51	1,634 68	4,634 32	4,727 83	1,062 10	148,305 66
Female Primary Schools	112,442 95	1,634 66	5,155 19	6,087 63	1,446 95	4,953 20	5,203 78	677 60	137,601 96
White Schools	573,035 80	7,649 29	37,886 01	31,901 82	6,343 12	16,782 49	20,888 61	10,463 20	704,950 34
Colored Schools	83,924 30	950 18	4,942 73	3,496 99	724 59	155 95	2,690 15	159 55	97,044 44
	656,960 10	8,599 47	42,828 74	35,398 81	7,067 71	16,938 44	23,578 76	10,622 75	801,994 78
Manual Training School	14,836 75	340 72	993 65	520 00	806 81	3,984 16	499 75	7,972 93	29,984 77
Annex Schools	61,784 30	1,081 02	3,921 40	3,365 84	1,465 95	614 13	2,980 01	518 91	75,731 56
Totals	733,611 15	10,021 21	47,743 79	39,284 65	9,340 47	21,536 73	27,058 52	19,114 59	907,711 11

TABLE C.

Showing the Location of schools, Size of lots, Amount of ground rents, Amount paid on account of lots, Size of buildings, Estimated Value of buildings, and Date of erection.

Schools.	Location.	Size of Lot.	Amount of Ground Rent	Amo'nt paid on account of Lot.	Size of Building.	Estimated Value of Building.	Date of Erection.
Baltimore City College..	Howard, opposite Centre....	120 x260	4,600 00	.....	100 x162	110,000	1874
E. F. High School.....	Aisquith and Orleans	102 x210	540 91	2,651 50	102 x 56	80,000	1868
	Side lot and rear building..... ...	39 x180	75 00	15,000 00	51 x 58	.....	....
W. F. High School.....	Fayette, near Paca.....	98 x144	1,188 00	.....	72 x132	55,000	1858
Manual Train'g School	Courtland, nr. Saratoga (old build'g)	82 x 90	In fee.	6,437 75	44 x 90	18,000	1868
	" " " (new ")	62[6] x 90	220 00	10,000 00	54 x 90	25,000	1890
Male Gram. and P. No. 1	N. E. corner Fayette and Greene..	97 x102	354 00	9,000 00	83 x 96[7]	25,000	1880
Fem. Gram. and P. No. 1	S. W. " " " " ..	77[6] x170	1,094 75	.....	62 x140	27,000	1875
Grammar No. 2 ...	Broadway and Bank	100 x141	244 44	.....	101 x 39	30,000	1888
	" " " (rear building)	.....	.....	.....	52 x 87	.....	....
" and P. " 3.....	High, near Fayette	80 x167*	900 00	.....	50 x145	28,800	1875
" " 4.....	Sharp, near Montgomery.....	100 x155	600 00	.....	56 x 85	18,000	1869
" " 5.....	Greenmount ave. and Eager.....	66 x150*	600 00	.....	55 x100	17,000	1872
" " 6.....	Division, near Lanvale.....	104[2] x171[3]	800 00	.....	55 x120	21,000	1877
" " 7.....	Eastern ave. and Burke.....	100 x150	350 00	.....	52 x105	18,000	1880
" " 8, old..	Hollins, near Fulton.....	140 x129	700 00	.. ..	54 x112	18,000	1877
" " 8, new.	Hollins and Monroe	Old lot.	.....	.....	55 x104	21,000	1890
" " 10.....	William and Warren ave.....	70 x140	175 00	.....	44 x103	13,000	1850
" " 11.....	Bond and Jefferson.....	70 x152[3]	19 00	8,700 00	56 x116	20,000	1884
" " 12.....	Ridgely, near Fremont	124 x155	620 67	.....	73 x125	25,000	1877
" " 13.....	Aisquith, near Mullikin.....	55 x180	25 00	12,600 00	44 x100	17,000	1870
M. " " 15.....	Carrollton ave., near Lexington...	100 x160[4]	400 00	.....	55 x107	15,000	1860
F. " " 15.....	" and " ...	49[6] x103	In fee.	10,000 00	49 x135	20,000	1886

Grammar No. 16	Hull and Clement (Locust Point)	100	x155[3]	350 00	.....	56	x113	11,000	1882
" " 17	Washington, near Fayette	93	x190	581 25	.....	52	x 80	14,500	1871
" " 18	Mulberry, near Fremont	87[8]	x134	350 67	.....	54	x 85	15,000	1868
Gram. and Prim. No. 19	Park ave., near Preston	91[6]	x150	549 00	.....	68	x103	24,000	1869
Grammar No. 20	Eden and Federal	180[6]	x100	.....	8,000 00	60	x124	25,000	1890
" " 21	Presstman and Gilmor	102[5]	x155	620 00	.....	55	x121	32,000	1876
Eng.-Ger. " 1	Druid Hill ave., near Biddle	75	x100	150 00	.....	44	x100	12,000	1841
" " 2	Charles and Ostend	74[6]	x219[2]	372 50	.....	56	x150	28,000	1882
" " 3	Baltimore, near Aisquith	90	x170	1,000 00	.....	54	x118	23,000	1879
" " 4	Chase and McDonogh	80	x223	501 75	.....	56	x133[2]	20,000	1882
" " 5	Lexington, near Fremont	81	x220[6]	.....	15,000 00	60	x124	25,000	1890
Primary " 2	Gough and Stiles	75	x 92	250 00	3,500 00	32	x 55	9,000	1854
" " 4	Hanover and Lee	80	x 76[6]	210 00	.....	52	x 76	6,000	1834
" " 5	Broadway and Chew	120	x120	600 00	.....	60	x113	24,000	1876
" " 6	Ann, near Canton ave	63	x140	112 50	6,800 00	46	x100	14,800	1878
" " 7	Mullikin, near Aisquith	74	x100	**	.....	45	x 65	5,000	1864
" " 8	Caroline, near Lombard	105[5]	x150	221 34	6,200 00	94[7]	x 59[7]	18,000	1888
" " 10	Hollins, near Schroeder	60[8]	x134	200 00	.....	46	x 70	6,000	1855
" " 11	Gilmor and Mosher	126[2]	x156[10]	757 00	.....	57[9]	x104	30,000	1886
	" " (rear building)	.....	.....	.....	.....	30[7]	x105[6]	.....	1889
" " 12	Barre and Warner	67	x120	268 00	.....	55	x 84	16,000	1870
" " 13	Patterson Park ave. and McElderry	155	x115	530 00	.....	55	x105	21,000	1890
" " 14	Linden ave. and Wilson	105	x150	840 00	.....	55	x117	20,000	1882
" " 15	Saratoga and Carrollton ave	100	x150	700 00	.....	50	x120	19,000	1872
" " 16	Harford ave. and Chew	105	x158*	790 00	.....	56	x113	19,000	1876
" " 17	Light and Poultney	62[1]	x122	217 00	800 00	50	x 72	10,000	1875
" " 18	Argyle ave., near Lanvale	80	x140	315 00	.....	45	x 68	13,000	1858
" " 20	Eden and Preston	100	x207	592 00	6,000 00	51	x167	35,000	1868
" " 21	Pennsylvania ave. and Robert	80	x155	320 00	.....	50	x 80	16,000	1869
" " 22	Ramsay, near Scott	71	x128[6]	177 50	.....	45	x 95	10,000	1855
" " 23	Gough and Wolfe	75	x110	150 00	2,400 00	57[9]	x104	19,000	1886
" " 24, new	Lancaster and Patuxent	150	x100	.....	7,500 00	77	x 86	21,000	1890
" " 24, old	Chesapeake and Hudson (Canton)	80	x100	In fee.	.....	32	x 50	5,000	1853
" 25	Caroline, near Bank	76	x 90	134 00	4,800 00	45	x 65	8,000	1867

TABLE C—Concluded.

Schools.	Location.	Size of Lot.	Amount of Ground Rent	Amo'nt paid on account of Lot.	Size of Building.	Estimated Value of Building.	Date of Erection.
Primary No. 26	Orleans, near Bond	84 x 75	126 00	4,500 00	50 x 65	15,000	1874
" " 27	Fayette and Chester	92 x120	274 50	.....	48 x 72	18,000	1869
" " 28	Battery ave. and Clement	75 x 82	270 00	1,000 00	46 x 82	15,000	1869
" " 29	Sharp, near West	114 x155	570 00	.....	55⁹x104	21,600	1886
" " 30	Hollins, near Fulton	150 x129⁶	750 00	.....	55 x 82	16,000	1874
" " 31	Pierce and Schroeder	60 x122	228 00	2,500 00	57⁴x102	21,000	1890
" " 32	Guilford ave. and Lanvale	80 x154	.....	11,800 00	67 x 98	21,000	1890
" " 33	Light and Clement	100 x100	.....	10,000 00	67 x 98	21,000	1890
H. & G. & P. Col. No. 1	Saratoga, near Charles	66 x193	600 00	16,000 00	52³x126⁸	25,000	1888
" Annex No. 2	Jefferson, near Caroline	83⁶ x 80	200 00	1,350 00	32 x 80	5,000	1855
" " " 3	Fremont, near Lombard	74 x150	In fee.	1,200 00	44 x 65	8,000	1843
Colored No. 2	East, near Douglass	75 x105	25 00	5,125 00	49 x 80	13,000	1874
" " 3	Howard and Montgomery	50 x104	160 00	8,000 00	40 x 64	6,000	1872
	Hill, near Sharp	48 x 90	192 00	.....	34 x 50	4,000	1854
" " 6	Barre, near Eutaw	65 x112	300 00	.....	40 x 80	10,000	1854
" " 7	Waesche, near Fremont ave	143⁹ x120*	480 00	.....	59 x120	22,000	1877
" " 8	Bond and Chew	80 x 80	130 00	.....	40 x 54	7,000	1864
" " 9	Carrollton and Riggs avenues	97¹ x157	In fee.	7,000 00	52⁴x 97⁵	19,000	1888
Annex No. 1	Homestead, Gorsuch avenue	42 x 90	"	1,000 00	35 x 50	4,500	....
" " 2	Waverly, York Road	100 x200	"	4,000 00	35⁶x 68	10,000	....
	Rear building	.....	.....	.....	50 x 33		
" " 3	Oak and Fifth	60 x122	In fee.	4,000 00	50 x 60	10,000	....
" " 4	Chestnut and Fourth avenues	176⁸ x230	.....	5,000 00	55 x105	21,000	1890
" " 5	Hampden, Merryman's lane	87 x240*	In fee.	1,000 00	71 x 24	1,000	....
" " 6	Same as No. 4	.....	.....	.....	.....	.....	....
" " 7	Woodberry, on Woodberry ave	45 x130	22 50	.....	37 x 96	10,000	....

Annex No. 8	Clifton, on Clifton ave	40	x150	In fee.	2,000 00	40 x 90	4,000	....
" " 9	Calverton, Bloomingdale road	75	x169	"	1,500 00	63 x 40	6,500	....
" " 10	Carroll, old Frederick road	60	x225*	00 01	2,000 00	52 x 27	4,500	....
" " 11	Millington, Frederick road	41	x283*	50 00	1,000 00	24 x108	1,000	....
" " 34	Huntingdon ave., near Charles	100	x150	.....	7,000 00	.....	18,000	1890
Annex Colored No. 1	Waverly, Merryman's lane	127^5	x 32^6*	50 00	.....	24^6x 48	700	....

Total amount of ground rents.....$ 29,794 29
Total amount paid on account of lots..... 232,364 25
Total value of buildings, actual or estimated..... 1,554,900 00

* Irregular in form.

** House built on the rear of lot leased for E. F. H. School.

TABLE D.

Showing locations of rented buildings, by what schools occupied, and amounts of rent payable.

General storage, Hasselberger court	$ 300 00
Male Grammar No. 9, 406 Courtland street	360 00
Female Grammar No. 9, 411 Courtland st	600 00
Female Grammar No. 16, Hull street and Fort avenue	225 00
Female Grammar No. 21, 2211 Pennsylvania avenue	450 00
Primary No. 6, Canton avenue, near Broadway	300 00
Primary No. 22, 786 Columbia avenue	264 00
Colored No. 4, Biddle street, near Pennsylvania avenue	1,180 00
Colored No. 5, Eastern avenue, near Broadway	264 00
Annex No. 1, Homestead	144 00
" " 2, Waverly Hall, York Road	400 00
" " 5, Hickory ave , near Fourth ave.	350 00
" " 10, 13 Fairview avenue	180 00
" " 12, Lombard st., near Wilkens	600 00
" " 13, Mine Bank lane	360 00
" " 14, Park Heights avenue	120 00
" Colored No. 1, Merryman's lane and York road	108 00
" " " 3, Mt. Olivet lane	96 00
Total amount of rents	$6,301 00

SCHEDULE

—OF—

SALARIES OF OFFICERS AND TEACHERS

—OF—

PUBLIC SCHOOLS.

GENERAL EXPENSE ROLL.

Superintendent of Public Instruction	$2,500
Assistant Superintendent	2,000
Secretary	2,000
Assistant Secretary	1,500
Superintendent of Supplies	1,800
Librarian	1,000
Superintendents of Music, each	1,500
Teachers of Drawing, each	500
Librarian of Public School Library	900

BALTIMORE CITY COLLEGE.

Principal	$2,400
Professors (not otherwise specified)	2,000
Professor of Writing and Book-keeping, and Secretary to Faculty	2,000

Professor of Drawing	$1,800
Professor of History and Political Economy	1,800
Adjunct Professors	1,800
Tutors	1,000

FEMALE HIGH SCHOOLS.

Principals	$2,400
First Assistants	1,008
Second Assistants	900
Teachers of French and Drawing, each	900

MANUAL TRAINING SCHOOL.

The present principal of this school is an officer of the United States Navy, detailed for service at this school, and receives from this Board	$ 500
First Assistant	*1,200
Instructors	*1,200
Assistants	*$600, *$720, *$900, *1,000

MALE GRAMMAR SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals	$1,296	$1,404	$1,500
First Assistants (male)	804	900	
First Assistants (female)	588	672	
Second Assistants	456	516	
Third Assistants	444	504	

*Subject to the approval of the Mayor and City Council.

ENGLISH-GERMAN SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals	$1,296	$1,404	$1,500
Vice-Principals	804	900	1,008
First Assist's (Eng. Fem.)	564	648	
First Assist's (Ger. Male)	600		
Teacher in charge of lowest grade			504

Other assistants in grammar grades, same as third assistants in male grammar schools.

Assistants in primary grades, same as assistants in primary schools

FEMALE GRAMMAR SCHOOLS.

	1st Year.	2d Year.
Principals	$804	$900
First Assistants	564	648
Second Assistants	444	504
Third Assistants	432	480

MALE AND FEMALE PRIMARY SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals	$600	$696	
Assistants	408	432	$468
Teacher in charge of lowest grade			504

HIGH AND GRAMMAR COLORED SCHOOLS.

The same as male grammar schools.

COLORED PRIMARY SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals (male)	$804	$900	
Principals (female)	600	696	
First Assistants (male)	700		
Assistants (female)	408	432	$468
Teacher in charge of lowest grade			504

INTERMEDIATE SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals (males)	$1,200		
Principals (females)	804		
First Assistants	600		
Teacher in charge of lowest grade	444	$468	$504

Other assistants in grammar grades, same as third assistants in female grammar schools.

Assistants in primary grades, same as assistants in primary schools.

UNCLASSIFIED SCHOOLS.

Composed of Primary and Grammar Scholars, and not otherwise designated.

	1st Year.	2d Year.	3d Year.
Principals	$696	$780	$900
First Assistants	504	552	600

SATURDAY NORMAL CLASS.

Principal	$200
Assistants	150

EVENING SCHOOLS.

Principals, $2.50 per night for actual service.

Assistants, $1.50 per night for actual service.

The Schedule of Salaries to be subject to the following conditions:

All below the grade of second assistant in male and female grammar schools to be graded as third assistants, the Board of School Commissioners to determine at the annual election the grade of each assistant; in case of failure to do so, the senior assistant to grade highest in all cases.

In male and female grammar schools not employing three assistants, the lowest assistant shall rank as third assistant, and so continue until there are three assistants employed in that school, excepting the first assistant, who shall in all cases rank as first assistant.

Teachers who may have served for *two full* years in any of the public schools of Baltimore, upon promotion to grammar schools shall be entitled to the second year's salary of the grade to which they may be assigned, excepting that of principal.

Teachers elected during the month of September shall receive the full salary for the months of July and August of the succeeding year; those elected in October shall receive nine-tenths of said salary; in November, eight-tenths, and so on to the close of the scholastic term.

Any teacher who shall have served the usual probationary period of ninety days before the close of the

scholastic year, and who shall be elected at the annual election, shall receive her proper proportion of salary for July and August.

When transfers are made from one school or position to another, the teacher transferred shall draw the salary of the position from which he or she has been transferred till the end of the month in which the transfer shall be made.

SALARIES OF JANITORS, JANITRESSES AND FIREMEN.

Janitor and Fireman of Baltimore City College	$1,000
Assistant Fireman of Baltimore City College	500
Janitor of Manual Training School	720
Fireman of Manual Training School	600
Janitor of Manual Training School, new bldg.	600
Fireman of Female High Schools, each	400
Janitresses of Female High Schools, each	300

Fireman and Engineer of No. 3 English-German School, $30 per month. For large furnaces in schools having the Smead system, $10 each per month, and for all furnaces in other schools, $5 each per month.

Janitresses of schools having three classes shall receive $8 per month; four classes, $9 per month; five classes, $10 per month; six classes, $10.50 per month, and increase 50 cents per month for each additional class. They shall receive additional compensation for making fires in stoves from October to April inclusive, at the rate of 50 cents per month for each stove on the first floor, and 75 cents for each stove on the second and third floors.

Janitresses of Evening Schools, $5 per month.

REPORT

OF THE

Superintendent of Public Instruction.

BALTIMORE, January 1st, 1891.

To the Honorable the Mayor and City Council,
and the Board of Commissioners of
Public Schools of Baltimore City.

GENTLEMEN:

The following report of the statistics and condition of the schools for the year ending December 31st, 1890, is submitted for your consideration:

SUMMARY OF STATISTICS.

Population of Baltimore—white 384,394, colored 71,033		455,427
Enumeration, school census (1888)		110,731
School age		6–21
Basis of taxation		$299,000,000
School tax—City 26, State 10½		36½ mills.
Number of pupils in school during the year		65,758
Increase	2,213	

Number of pupils on roll December 31st, 1890		50,899
Increase	2,049	
Number of teachers December 31st, 1890		1,244
Increase	57	
Number of schools		147
Increase	5	
Percentage of attendance on enrollment		87
Increase	1 per ct.	

HIGH SCHOOLS.

Number of pupils on roll December 31st, 1890		1,259
Increase	97	
Percentage of attendance		93
Increase	1 per ct.	
Number of pupils to a teacher on enrollment		33
Increase	2	
Number of pupils to a teacher on average attendance		28
Increase	2	

MANUAL TRAINING SCHOOL.

Number of pupils on roll December 31st, 1890		428
Decrease	69	

Percentage of attendance		84
Decrease	7 per ct.	
Number of pupils to a teacher on enrollment		31
Same as last year.		
Number of pupils to a teacher on average attendance		27
Decrease	4	

GRAMMAR SCHOOLS.

Number of pupils on roll December 31st, 1890		12,262
Increase	272	
Percentage of attendance		87
Decrease	1 per ct.	
Number of pupils to a teacher on enrollment		38
Decrease	1	
Number of pupils to a teacher on average attendance		33
Decrease	1	

ENGLISH-GERMAN SCHOOLS.

Number of pupils on roll December 31st, 1890		5,122
Increase	92	
Percentage of attendance on enrollment		89
Decrease	2	

Number of pupils to a teacher on enrollment		42
Same as last year.		
Number of pupils to a teacher on average attendance		36
Decrease	2	

PRIMARY SCHOOLS.

Number of pupils on roll December 31st, 1890		19,738
Increase	1,010	
Percentage of attendance		84
Same as last year.		
Number of pupils to a teacher on enrollment		44
Increase	2	
Number of pupils to a teacher on average attendance		37
Increase	1	

COLORED SCHOOLS.

Number of pupils on roll December 31st, 1890		6,888
Increase	311	
Percentage of attendance		78
Decrease	5	
Number of pupils to a teacher on enrollment		42
Decrease	2	

Number of pupils to a teacher on average attendance		33
Decrease	4	

ANNEX SCHOOLS.

Number of pupils on roll December 31st, 1890		5,202
Increase	336	
Percentage of attendance		80
Decrease	3	
Number of pupils to a teacher on enrollment		45
Increase	3	
Number of pupils to a teacher on average attendance		37
Increase	3	

ACCOMMODATIONS.

The increase in the enrollment for the year 1890 was about two thousand; last year, 1889, it was a little over this number. In providing accommodations for the schools during the past year, the Board was not only called upon to furnish rooms, teachers and other requisites for the pupils who were the year before taught in unsuitable rented annexes and in greatly overcrowded rooms, but also to make room for and provide facilities for instructing over two thousand additional pupils who entered during the year 1890. The buildings erected during the year, and taken pos-

session of by the Board for the use of the schools, gave only about enough additional space to provide for the increase in the enrollment, and made little—if any—provision for relieving the overcrowded condition of many of the schools, and for dispensing with the use of a number of rented annexes. The schools begin the year 1891 with overcrowded buildings and unsuitable rooms in rented annexes, to which attention has been called in another part of this report, while we must also make provision for the annual increase of between one and two thousand pupils. For a number of years it has been the policy of the Council to erect yearly only two new buildings for the use of the schools, and these in most cases to take the place of old unsuitable ones, when it was the case that more accommodations were needed, and the amount of space required over that furnished has so accumulated from year to year that the Council at this time is called upon to furnish the ways and means of doing what should have been done by others in former years.

Your attention is called to the accommodations of the following schools:

Baltimore City College. Two of the class-rooms located on the first floor of the building are very badly lighted, and gas has to be used during the entire school session. This is not only injurious to the eyes of the students, but interferes seriously with their instruction. The rooms occupied by the instructors of chemistry and physics are inadequate to the needs of their

departments, and it is necessary that an addition should be made to the building that would furnish suitable facilities.

Western Female High School. The building occupied by the school, on account of the increase in the number of pupils, has not for some time afforded sufficient accommodations. It is not only too small, and the site not unobjectionable for the location of the school, but buildings erected near it have shut out the light to such an extent as to render some of the class-rooms unfit for use. There are thirteen teachers required to instruct the classes, while only twelve class-rooms are provided for their use, four of which are in reality passage-ways, which must be used for lack of suitable rooms. Unless in some way these defects can be remedied, another location should be selected, and a suitable building erected for the use of the school. For a long time the pupils and teachers have worked under great disadvantage, and what is necessary should be at once done for one of our most popular and efficient schools.

No. 1 Grammar School. The male department has several unoccupied rooms, and a much greater number of pupils can be accommodated in the female department.

No. 3 Grammar School has a considerable amount of unused space in both departments.

No. 4 Grammar School has vacant rooms in both departments.

No. 5 Grammar School has unused space in both departments.

No. 6 Grammar School is overcrowded in both departments. One of the classes of the female department has to be instructed in a class-room of Female Primary School No. 18, quite a distance from the main building. The building is not only overcrowded, but parents living in the district have been unable to send their children to the school on account of the lack of room. It is very necessary to provide adequate accommodations for the children belonging to this school, and for those who desire to enter.

No. 9 Grammar and Primary Schools have been located in rented buildings on Courtland street, since the building they formerly occupied was taken for the use of the Manual Training School. The buildings they now occupy—built for dwelling houses—are not suitable for school purposes.

No. 16 Grammar School occupies a building which is not large enough to accommodate the number of pupils belonging, and it is recommended that a second story be added to the building, so as to supply the necessary room. A small chapel, containing only one large room, has to be rented for the accommodation of about one hundred and fifty pupils belonging to the school.

No. 7 Grammar School has outgrown its accommodations, and additional class-rooms must be provided for the use of the school.

No. 11 Grammar School has one vacant class-room in each department. At present these rooms are occupied by classes belonging to English-German School No. 4.

No. 12 Grammar School has vacant rooms in both departments, which at present are occupied by pupils from No. 12 Primary School.

No. 13 Grammar School has vacant rooms in both departments. Two of these rooms at present are occupied by classes belonging to English-German School No. 3.

No. 15 Grammar School has several vacant class-rooms, one of which is used for the accommodation of one of the classes of Female Primary School No. 15. The female department has increased to such an extent as to require the use of two rooms in the male department. In view of the rapid increase of the female department of this school, it would be well to send some of the pupils to be promoted in June from No. 15 Primary School, who live sufficiently near, to Female Grammar School No. 1, which has ample room for their accommodation.

No. 17 Grammar School. The female department needs an additional class-room for one of its classes,

which now has to be taught in a cloak room, and as No. 13 Primary School will send this school its pupils promoted to grammar schools in June, it will be necessary to arrange for the accommodation of a greater number of pupils in both departments.

No. 18 Grammar School has a very small district, in which there are many dwellings occupied by colored families. Three rooms in both departments are vacant, and some of the others not full. A building should be erected for the use of this school at a suitable distance southwest of the middle point of a line joining No. 6 and No. 21 Grammar Schools, which are both overcrowded and required to use annexes. This arrangement would tend to relieve the overcrowded condition of No. 6 and No. 21 Grammar Schools, and the building vacated by No. 18 could be used for a colored school, which is needed in this locality. The pupils now attending No. 18 Grammar School could be sent, without inconvenience, to No. 1 and No. 15 Grammar Schools.

No. 21 Grammar School. The female department is greatly overcrowded, and has to send two classes to an unsuitable rented annex at some distance from the school. About three years ago four rooms were added to the building, two for each department, which have been filled, as well as the two rooms in the rented annex. As this section is steadily growing in population, more room will be required, and it is important that the subject should receive careful and speedy consideration.

English-German Schools Nos. 2, 3 and 4 are overcrowded to such an extent as to be injurious to the health of the pupils and detrimental to their instruction, while some of the buildings near them, in which English only is taught, are without their quota of pupils. It is highly important that some legislation should be adopted to define under what circumstances and to what extent pupils are to be allowed to attend the English-German schools. Their necessarily large districts, including several primary and grammar school districts, render the benefits secured by the rules requiring pupils to attend the nearest school to their homes almost void, so far as they are concerned, and much injury is done the schools by the harmful and, in most cases, unnecessary transfer of pupils from the English to the German schools, and *vice versa.* Injury to the children, inconvenience and disorganization to the schools, are occasioned by allowing pupils to go at pleasure from English schools to English-German schools. In most cases they must be put in one grade in their English studies and in another in their German studies. Any one may see the injury done the children and the school, when pupils must recite in one grade in one subject and in another grade in another subject.

Pupils, again, of English-German schools, who fail in German, but pass in their English studies, are at times transferred to English schools, and allowed to enter the grade to which they failed to pass. These and other matters of a somewhat similar character

interfere materially with the discipline and efficiency of the schools and the best interests of the children. Many parents who avail themselves of these transfers, thinking they are benefiting their children, will not see their error until it is too late; and in the interests of all concerned proper effort should be made to secure the best regulations in reference to these matters, and faithfully carry them out.

In most cases an English-German school is very large, consisting really of what is equivalent to four schools, viz: a male grammar, a female grammar, a male primary and a female primary school, and if supervision on the part of a principal is beneficial, which all admit to be the case, these schools labor under a great disadvantage. It is impossible for a principal to instruct a class during the five school hours per day, and at the same time to attend to the numerous necessary matters requiring his attention in other classes, when the school consists of over one thousand pupils, taught by twenty or more teachers; and this, too, in some instances, when the school is accommodated in separate buildings half a mile or more apart.

Colored School No. 3 occupies two buildings, the main building and an annex kept in old Primary No. 29. These accommodations are not adequate to the needs of the school, and a suitable building should be provided for its use.

Colored School No. 4 is very much overcrowded in both departments. Many children living in the neighborhood have been unable to secure admission on account of the lack of room to accommodate them. Eighteen class-rooms are required for the number of pupils, while the building contains only twelve rooms. Educational work cannot be satisfactorily carried on under such circumstances, and the school should be supplied with at least six additional class-rooms.

Colored School No. 8 is greatly overcrowded in both departments. The building contains only eight class-rooms, while for the number of pupils at least fourteen are required.

Colored School No. 9 has increased in numbers to such an extent as to require additional class-rooms for both departments. It has been suggested that it would be well to build a house for No. 18 Grammar School southwest of the middle point of a line joining No. 6 and No. 21 Grammar Schools, and to use the old building for a colored school. No. 18 Grammar School has six unoccupied class-rooms, and were the school transferred to the point named, it would, to some extent, relieve the overcrowded condition of No. 6 and No. 21, and the use of the old building as a colored school would provide room for some of the excess at No. 9 and No. 4, colored.

Annex School No. 1 requires the use of two rented rooms in a dwelling in the neighborhood. As this is

our most northeastern school building, it should be put in condition to accommodate those in attendance at this time, and also to provide for a prospective increase.

Annex School No. 2 has grown to such an extent that its building no longer affords room for the school, and it is necessary to put several classes in rented rooms in the neighborhood. This is a popular and growing school, and its wants should receive prompt attention.

Annex School No. 8 is overcrowded, it being necessary, in two instances, to put two classes in rooms intended for only one. Of course it is unreasonable to expect the best results under such circumstances. As this section is increasing in population, it is highly important that this matter should receive prompt consideration.

Annex School No. 9. The building consists of four rooms, while six are required by the number of pupils. Additional class-rooms should be provided.

Annex School No. 10 consists of four rooms, while the number of pupils require six for their accommodation. Two classes are taught in a small dwelling not at all suitable for school purposes.

Annex School No. 11. Building overcrowded, it being necessary for two teachers to teach in the same room.

Evening Schools.

The school system of a large city is incomplete and not in condition to do all the good it should accomplish unless it provides for and maintains well regulated evening schools. Wherever they have been established, under proper rules and efficient management, they have been useful to the community, and the good they accomplished demonstrated the wisdom displayed by those who secured their organization. Such schools, to the extent they may be required, should be established, under proper regulations, in connection with the school system of this city, so that a number of the youth of Baltimore, who are employed during the day, may be supplied with the necessary means of improving themselves during their leisure hours. One centrally located school would be sufficient to begin with, and others might be afterwards organized when it became necessary. Inquiries about such schools are frequently made by boys, who work during the day, and by parents, who wish to send their children to such schools. I am satisfied if evening schools were properly organized they would prove of great advantage to the community.

The evening schools heretofore maintained by the Board failed of success because they were allowed to be overcrowded by boys who attended the day schools, and by many others who did not attend for the purpose of trying to improve themselves. None should be admitted except those who really desire to learn, and

have not the opportunity of attending school during the day. They should be kept open for a stated period, from six to eight months yearly, and should furnish a practical course of study, including language, arithmetic, geography, reading, book-keeping and drawing, so arranged that it might be adapted, as far as possible, to the wants of individual pupils. Those employed in business would naturally desire to be instructed in writing, commercial arithmetic and book-keeping, while those learning trades would desire to perfect themselves in drawing, designing, and anything else the school afforded to fit them for their work. In order to keep out the class who flock to such schools for amusement and mischief rather than for improvement, and who greatly interfere with their successful management and usefulness, it would be well to require those entering to deposit a dollar as a guaranty that they intend to conduct themselves properly, to be regular in attendance, and to make fair effort to improve themselves. On leaving school this sum should be returned to those who had made a fair amount of effort to comply with the agreement. This method has been tried in some localities, and has been found to operate advantageously.

Course of Study.

The course of study for a large school system must fulfil two important conditions that it may meet the wants of two classes of pupils. Of the entire number of pupils attending the schools, about sixty-four per

cent. are found in the three lowest grades, which constitute the primary schools; the number in the five grammar grades makes about thirty-two per cent. of the enrollment, while only about four per cent. of the enrollment are found in the high schools. Of about seventeen thousand and sixty (17,060) pupils entering the lowest primary grade, thirty-four per cent. continue in school until they finish the primary course and begin the fourth grammar grade, about twenty-five per cent. continue to the fifth grammar grade, eighteen per cent. continue until the sixth grammar grade is reached, about ten per cent. continue to the seventh grade, six per cent. continue to the eighth grade, and only a little over one per cent. reach the fourth year of the high school. It is evident that the most extensive field for exerting the beneficial influence of the school system is found in the primary and the lower grammar grades. The course of study must be so arranged and conducted as to make as much impression as possible on those who can, or will, stay in school but a short time. Pupils are leaving at every step as the course proceeds, some with little or no schooling, some with a year's, others with two, and so on. In arranging the programme of studies these conditions must be kept in mind, so that as far as possible it may be adapted to the needs of all. Modifications must be made here and there, which would not be necessary if all the pupils intended to pass, successively, through the primary, grammar, high school and college. The principle must be recognized, in arranging a programme

of studies under such circumstances, to endeavor to do the greatest good to the greatest number, and as much as possible for all. In the primary grades pupils are taught to read, write and cipher, not only that this knowledge may be of service to them in their onward progress as a basis upon which to build the work of the next higher grade, but this is done in such a way that, when it becomes necessary for the pupil to leave school, what he has learned will be available for use in the actual affairs of life. Of course any intelligent arrangement would effect this purpose to a very great extent, yet there are many obvious considerations which require the fact mentioned to be carefully kept in mind.

In the opinion of many prominent educators, pupils could more advantageously become acquainted with the principles of English grammar through the study of Latin, but for the great number, who are not to study Latin, instruction in English grammar must be taught before Latin. Pupils who are to study geometry need not give much attention to the study of mensuration in arithmetic; but as most of them do not study geometry, and as it is so necessary that they should learn how to calculate the areas of surfaces and the contents of solids, mensuration must be included in the course in arithmetic. Much of the work done in analytical arithmetic might be advantageously deferred until algebra had been studied; but as most of the pupils do not remain in school long enough for this, we must continue "to teach many things in a

hard way which should be taught much more easily and advantageously," were the circumstances different. In the best preparatory schools for college, after studying in arithmetic the principles of numeration, notation, the four rules, fractions (common and decimal), pupils are rigidly grounded in the principles of algebra. After this the whole of arithmetic is gone over, and, with the additional light thrown upon the subject by a knowledge of algebra, much more intelligent and rapid progress is attained than would have been accomplished by the usual method. But as most pupils never finish fractions in arithmetic, we are unable to follow this plan.

Grammar.—From the time a pupil enters the first primary grade to the end of the course, he is being constantly trained in the correct use of language, both written and spoken. Reading lessons, properly taught, contribute greatly to the correct use of speech—training the eye and ear to recognize and to use the right forms of language. In all recitations pupils are trained to use correct forms of speech, so that the use of correct language may be continually cultivated and gradually become a habit. In the fourth year, or fourth grammar grade, the study of technical grammar is begun to a limited extent, and it is afterwards continued in the other grades to the end of the course. Once a week, what is called a language exercise, or composition, is required in each grade. These exercises do not require the children to write upon some abstract subject, about which they have few, if any, ideas; but

reading lessons, or historical events, are reproduced in the language of the scholars. These are always corrected, mistakes pointed out and explained, and then the exercises are rewritten. They not only require to be taught, incidentally, reading, writing, spelling, punctuation, capitalization, and produce the ability to express facts learned in an intelligible manner, but they cultivate habits of attention, thought, and clearness of statement, which assist greatly in acquiring a knowledge of the other studies. These exercises have become an important feature of the work in all the grades, and by reason of the better methods of teaching them daily coming into vogue, they are making the pupils not only better grammarians, but more intelligent thinkers and students.

The importance of teaching reading well can not be overestimated. It not only improves the language of the scholar by accustoming the ear and eye to the sound and sight of the best forms of speech, but when the scholar has been so fortunate as to have been placed under the tutelage of one who taught this subject so as to cultivate the attention, taste, and understanding, he is armed with the implements with which to make progress in all the other studies, and really become educated. A person who has been taught to read has been put in possession of a most valuable and delightful accomplishment. One has only to examine the list of books, called for at the libraries and the character of those purchased at the book stores, to see

the extent to which a proper cultivation of a taste for good reading has been neglected. Schools are not entirely responsible for this, but better methods of teaching reading, literature and history would do much towards correcting the evil. Philanthropists, like Mr. Pratt, may furnish well selected books and put them within easy reach of all, but parents, teachers and associates must inspire us with a love for those only that are worthy of our attention. Reading, history, literature, etc., are generally taught too much with the view of learning a stated number of facts or occurrences, when less ground should have been gone over, and in such a way as to create a correct taste, an interest in the subjects, and a desire for more information about them, which would lead to useful reading on the part of the student after leaving school. The high schools should be supplied with more facilities for teaching literature. The works of the authors should be read that pupils might become acquainted, by absolute inspection, with the writings, style, etc., of the authors. Less attention should be given to treatises on literature, in which pupils are told many things as to the style and writings of authors without adequate means of reading their productions to the extent of enabling them to judge of and appreciate what they have written.

Arithmetic, mental and written, is generally well taught in the schools, but occupies more time relatively to the other studies than should be devoted to it. Many subjects usually taught in arithmetic should be

omitted, and the time devoted to them should be used in getting pupils to think, and to handle numbers with facility and correctness. If arithmetic has been taught so as to enable pupils to add, subtract, multiply and divide whole numbers and fractions with facility and correctness, to use the tables of denominate numbers, to understand the principles of percentage, to work interest and discount, to make out a bill and to balance an account—when these have been well taught, so that the knowledge is available for use when needed, the subject may be said to have received sufficient attention, and the time frequently used in teaching other rules of arithmetic should be devoted to other studies.

Book-keeping, though mentioned as a separate branch of study, is in fact one of the subjects taught in arithmetic. The principles of the art of keeping accounts are few and simple, and every child who is taught writing and arithmetic should receive instruction in the elements of book-keeping. A knowledge of book-keeping is of great practical value to every one. Its study constitutes an excellent review of the most useful rules of arithmetic, and cultivates accurate and methodical mental habits.

Mental arithmetic is a most valuable exercise to cultivate the attention, logical thought, and the accurate use of language in its expression. On inspecting the work of the teachers, those are found to be the strongest and best who secure a good attendance, and who

teach reading, language and mental arithmetic well. When these are well done progress in all other directions almost follows of itself.

Geography.—This important branch of study receives more intelligent treatment than it did in former years. In each grade pupils are required to draw from memory maps of the countries studied, upon which are located the political divisions, principal rivers, mountains, and chief cities. They also learn the most important facts regarding the countries studied, as to their physical features, climate, productions, commerce, inhabitants, history, and religion. The effort is to teach a little, but to do this quite thoroughly, so that the scholars may secure a knowledge of the most general facts of the countries and peoples of the world. The amount of attention given to each country is determined by its importance; more attention, for instance, being given to California than to Arizona or New Mexico. History and geography are taught as related subjects, and, as far as possible, in connection with each other.

Elementary Science occupies the attention of the pupils of the grammar grades for about one hour a week. The method of pursuing this work in the eighth grade is intended to be experimental, that the facts may be ascertained by the observation and examination of things—more importance being laid upon the acquisition of the method of investigation than upon the value of the information acquired. In some schools

this is done as well as circumstances permit, and better and better results will follow as the skill and knowledge required for such instruction are acquired by the teachers, for to be able to give this instruction, teachers must teach the subject, without books, from the objects themselves. One of the greatest claims to its introduction into the course for elementary schools is that it improves the methods of the teacher, divorcing him from the text-book, and enabling him to teach from nature, so as to cultivate the habits of observation and judgment on the part of his scholars. The highest attainment of education is the cultivation of common sense, and the purpose of introducing elementary science into the schools is to teach common sense. Huxley says that science is only common sense well regulated. It also cultivates the use of the head and eye and has claims for consideration as a branch of manual training. As the method used in teaching it is said to be the correct one, its acquirement is of great use in enabling the pupil to acquire knowledge of the other branches in which he is engaged. In some schools simple apparatus has been prepared by the pupils and teachers, a spirit of interest has been enlisted in the work by its interesting treatment, and progress in the right direction is being made. In other schools the work consists in hearing lessons once a week from the book. It is unnecessary to state that the latter method fails utterly to secure the beneficial result desired to be derived from elementary science teaching.

Recitation of Appropriate Selections.—The effort is made to get the pupils of each grade to memorize and recite, during the year, from four to six suitable selections of poetry or prose, taken from the best sources. In the sixth, seventh and eighth grades these exercises frequently take the form of declamation. They are beneficial in many ways, as they improve the memory, store the mind with gems taken from our best literature, cultivate the taste, furnish excellent practice for perfecting the organs of speech, and give pupils confidence when they stand up to speak what they have to say. To learn and to be able to recite feelingly Longfellow's Psalm of Life, Bryant's Forest Hymn, Poe's Raven, and some of the speeches of Henry, Webster, Chatham, Burke and others, is a valuable acquirement, and beneficial to the possessor in many ways.

History.—A text-book on this subject is not introduced until the pupil enters the sixth grade, but in the lower grades many interesting facts of history are acquired in connection with the teaching of geography. It is gratifying to state that the method of carrying on this work is steadily improving, and the results more gratifying. Some of the teachers still confine the efforts of their scholars to learning, memoriter, what the text-book says, with little appreciation of the importance of teaching the history and geography together, and the events in the order of their occurrence. In most instances, though, the subject is taught topically, and a reasonable amount of knowledge of the most important events, supplemented here and

there with interesting details, is intelligently acquired, so as to secure the interest of the pupils, beget a taste for the subject, and a proper appreciation of the patriotic labors of the men who founded America. History is so extensive that we cannot do more than give the scholars an outline of the salient facts, a taste for the subject, that they may be induced to pursue it after leaving school, and inspire them with a love for their country. When this is well done much is accomplished in the way of teaching patriotism and training the children for citizenship.

Algebra.—The study of this subject serves as a very thorough means of generalizing and thoroughly reviewing the principles of arithmetic, beside furnishing a basis for a further prosecution of the study of mathematics in the high schools and college. Its method of solving problems by means of equations furnishes a general method of analysis, applicable to all kinds of questions, which obviates the necessity of giving the subject of analysis in arithmetic the great amount of time that is usually devoted to it. What has been said of the advantages derived from the study of mental arithmetic may also be said of the benefit derived from the study of mental algebra.

Geometry.—The elementary principles of this subject are taught in the eighth grade. As with the study of elementary science so with that of geometry, the good resulting is not so much the knowledge attained as the mental training and benefit in other desirable di-

rections acquired. In geometry when language is used for the purpose of stating certain facts, it must be used in such forms and be so arranged logically as to do so accurately. When it is asserted that certain propositions justify certain conclusions the remust be no mistake in the reasoning. The study of this subject cultivates in a high degree logical thought and the habit of using language in such a way as to express it accurately.

Physiology.—The facts of this branch of study are considered in all the grades, those facts especially bearing upon the laws of health, and the injurious effects of tobacco and alcoholic drinks. This study does not occupy a great deal of time, and the good effects resulting from its teaching fully justify the retention of its place in the course of study.

Music.—In regard to this subject, Professor Deems reports as follows:

> In our primary schools the children are able to sing at sight exercises in one part in the key of C, written in two-four, three-four or four-four time, containing whole, half, quarter and eighth notes. In the grammar schools the pupils sing pieces in different keys, written in two, three and four parts. In the high schools this is continued and supplemented with special attention to vocalization, and such information is imparted to the young ladies who may graduate and desire to teach as will enable them to take charge of the music in any class of a primary or grammar school.

Professor Wehage, in the following language:

The course of study in music, as prescribed in the schedule, is strictly adhered to by the teachers, and good results in the real musical advancement of the pupils necessarily follow. Sight singing is receiving special attention. Besides a summary of all rudimentary instruction and chart exercises, a variety of interesting solfeggios is interspersed, as it is our aim to cultivate a taste for only the best compositions, both in words and music. Singing easy and pleasing rote songs, explaining musical characters, scale drill, and such rudimentary instruction as will enable the pupil to sing the exercises and songs intelligently and successfully, is the work of the teacher in the primary grades. In the grammar classes enough of the rudiments of music is taught to enable the pupils to sing two and three part exercises and songs of greatly varied character in nine different keys. In the high schools a variety of exercises and solfeggios are given in connection with the study of all major and minor scales, major and minor intervals, triads, etc. In singing songs particular attention is paid to expression, intonation, precision, breathing marks and articulation of words. In the annex schools music was an entirely new subject, and much progress has been made since its introduction. In view of the fact that in all circles—from the wealthy classes, with ample leisure at their command, to the toiler who works early and late to gain an honest livelihood—music is cultivated in one or more of its several inviting ways, you will agree with me that there is no better place to foster this delightful study than in the school room. A knowledge of music may be called general here. The present stage of advancement in our city has grown from its meagre beginning to its now great proportions within the memory of many who are still actively engaged in this divine art. It is generally conceded that the greater part of the material now forming our church and Sunday school choirs, singing societies, oratorios, etc., are persons whose whole knowledge of music was obtained in our public schools. Since Baltimore is being readily noted as a seat of polite art, and in no branch of art greater progress has been made than in music, the teachers and myself feel that we have a cause to work for, and share alike the honors due our Monumental City.

Drawing.—The course embraces instruction in form-study and drawing, which requires, from the outset and to the end, both study and drawing from models,

objects, and natural forms, thus connecting the work throughout the course closely with the surroundings of the pupils. Through the progressive exercises the pupils learn to observe objects, to make objects, to represent the facts and appearance of objects by drawings; also to study examples of ornament, and to design and draw arrangements for the decoration of objects and surfaces. A broad foundation is laid in the elements of three subjects in which drawing is the language — construction, representation, decoration. The "making" of models and objects is a special feature in this course, and it is provided for in the regular exercises in the books. This work introduces elementary manual training into the schools.

Darkest Baltimore.

While Baltimore is adjusting herself to her rapid growth of population and wealth, it is wise to take the necessary steps to eliminate entirely, or at least to prevent the growth of, a vicious class infesting certain parts of the city, which, if permitted to grow, some day in the future, may threaten to overthrow her civilization. In the interest of humanity, as well as for self protection, all are concerned in training the children of the city in decent living and for citizenship. Where the masses are to govern they must be fitted for it by the cultivation of virtuous and industrious habits. As in a lawn interspersed with sterile spots, in which the grass cannot flourish, we must subject the spots to treatment for improvement not neces-

sary with the better conditioned parts, so in a large city, those localities, in which vice and depravity are so dense as to shut out all moral light and afford a refuge for the most depraved and vicious classes, must receive such treatment as will regenerate them and make them homogeneous with the other portions of the community. What to do for those beyond the school age, in this work of regeneration, it is not our province to inquire, but surely the children should be furnished and be required to attend kindergartens and other schools so far as their circumstances will permit. In these schools the children would be taught to be cleanly, punctual, obedient, well mannered and industrious, to say nothing of the advantages they would derive from learning to read, write, and cipher. With these qualifications most of them, instead of helping to swell the class of vagabonds and enemies to society, would become useful and prosperous citizens. Parents should be required by law to give their children a certain amount of schooling and training. Many parents of the class referred to are so deadened to all higher impulses that their thoughts are only of the present, and they are willing to live in squalor, idleness and vice on the earnings of their young children sent out to beg or steal. A plan of education such as can be accomplished through kindergarten, primary, grammar and elementary manual training schools, furnishes one of the most effective means of reclaiming this class of people infesting and festering the very heart of large cities. In time the older members of such communities

must die off, and if we can give the young virtuous and industrious habits, we shall enable them to get away from the degraded life of their parents, and eventually a thorough regeneration of the diseased locality must ensue. St. Louis is said to have successfully established thirty-nine free kindergartens in connection with her school system, with an average attendance of 6,508; Philadelphia thirty-eight, with 4,706 pupils; Milwaukee thirty-two, with 2,650; Boston thirty-two, with 1,200 in attendance. Forty-two other cities in this country are also said to have organized free kindergartens.

By the school census of 1888, of the 110,731 children in the city, of school age (6–21), 43,885 were attending public schools, 15,965 were attending private schools, 31,623 had attended school for three years and 50,881 were not attending school, leaving about 20,000 children not in school and who had not attended school for a period of time amounting to three years. Not only on their own account, but for the welfare of the community, it is in the highest degree important to devise some means by which these children may be gotten into the schools.

Discipline.

From the bi-weekly reports of principals sent to the office during the year, the following items of information in regard to the administration of corporal punishment have been collected: Nine hundred and

sixty-five cases have been reported. No cases are reported from the high schools and college. Twelve male grammar schools report 198 cases. No cases are reported from the female grammar schools. Five male primary schools report 106 cases. No cases are reported from the female primary schools. One English-German school reports the administration of corporal punishment on 42 occasions. Four male colored schools report 225 cases; one female colored school, 68 cases; thirteen Annex schools, 336 cases. Out of the 147 schools under the control of the board, 111 passed through the whole year without resorting to the use of corporal punishment, while 36 schools found it necessary to administer such punishment on 965 occasions, some schools as many as 151 times, and others 88, 73, 63, and so on, times. Every sound school man will agree that corporal punishment, judiciously administered, is efficacious, but that on too many occasions the rod is used when it should not be. The too frequent infliction of corporal punishment in a school is evidence of a lack of disciplinary power on the part of its teachers. Good management, self-control and judgment on the part of teachers render the infliction of this kind of punishment, in the great majority of cases in which it is used, unnecessary. It is gratifying to call attention to these reports to show that most of our teachers, by securing the co-operation of their local committees and patrons, are getting along better with a minimum amount of this method of punishment than they did formerly, when its use was more frequently resorted to.

Speaking generally, it may be said that the discipline of the schools is becoming daily more satisfactory. Truancy is less frequent, pupils are more promptly in their places at the beginning of the morning and evening sessions, and orderly conduct and industry prevail to a greater extent than has ever before been the case. As a natural consequence, if no other reason existed, better progress in studies and more efficiency in the system generally have been secured. Efforts have been made during the year to impress upon the corps of teachers the responsibility of their work, and the necessity for thorough preparation to discharge their duties in such a manner as to secure the best results. By the rules of the board, the several local committees are intrusted with much power to be exercised in preventing truancy, unnecessary absence and too frequent lateness, and to require patrons to perform their part of the contract in the work of educating the youth of the city. Wherever the local committee, principal, teachers and parents are educated by a wise local administration to a hearty and prompt co-operation, which, in almost all cases, may be secured by judiciously carrying out the rules of the board as therein directed and expected, a healthy tone prevails and the effects of the school system are being felt for good. On the other hand, a reasonable amount of efficiency is not secured in the schools whose principals and teachers do not labor to secure this necessary co-operation, and whose patrons allow their children to violate the rules of the board. Some parents are inclined to be too indulgent to their children, and are

never satisfied unless their own hurtful methods are adopted by teachers. It is a fact frequently canvassed and lamented by teachers that, in many instances, pupils, by the lax manner in which the rules are enforced by those charged with the duty of seeing them complied with, are often allowed to wander from school to school in the vain hope of finding a good school in which pupils may make rapid advancement, and at the same time be allowed to do as they please—to come to school when they choose, to study when inclined, and to obey or not as they feel disposed. It was expected and hoped, when the board determined to district the schools and declare that pupils should attend the school in their own district, that the effects of this requirement would in many ways tend to the betterment of the system, as its enforcement would build up some of the scantily attended schools, economize the space provided for school purposes, and improve the discipline by preventing "intellectual tramps" or malcontents from wandering at will from school to school throughout the city. No one but a parent, who finds out his mistake too late to prevent the injury to his child's future life, or a teacher, who daily witnesses the injury done to the young by the injudicious indulgence of their supposed friends, in allowing children to leave one school, when for any reason they become dissatisfied and wish to go to another, appreciates the importance of not allowing pupils to change schools except for sufficient reasons. It is the duty of the authorities to make no rules but those that should be and are to be enforced. Whenever it becomes neces-

sary to consider a pupil's request to be allowed to leave one school to go to another, the circumstances should be investigated; if the school is at fault, correct it, and render a transfer unnecessary. This matter has been spoken of at some length, because it is a very serious one. The destruction of even one child's prospects for happiness and usefulness, of the sixty thousand who attend our schools, by unwise management, is a serious blunder, and worthy men will use their best efforts to prevent it.

The Eighth Grammar Grade.

In most of the grammar schools the circumstances of the children will not allow them to remain long enough in school to finish the higher grades. As we proceed from the lowest to the highest grade, the number of pupils in a grade becomes smaller and smaller. In several of the schools the number remaining for instruction in the eighth grade does not amount to more than from six to a dozen scholars. These pupils require the services of a teacher and the use of a classroom for their instruction,—the same that is ordinarily required for a class of fifty pupils,—consequently there is a considerable amount of unused space in the room in which the eighth grade is instructed, and one teacher's time is entirely occupied with instructing, say ten pupils, when he could, during the same time, instruct four times this number. A loss of both teaching power and school space is sustained, which could be avoided by sending three or four of these

small groups of eighth grade pupils to one school in which they might be taught much more advantageously and economically by one teacher in one room. By this means a teacher and a class-room would be secured in the schools from which the pupils were sent, without any loss to the school receiving them. This would also afford relief to several grammar schools which need additional space, and the necessity for their enlargement obviated. This plan should not be allowed to lower the standard of any school, but be considered as a temporary arrangement, to be abandoned or modified when the circumstances become such as to warrant a change. This has been recommended in several reports, and to individual members of the board, and I can see no good reason why it should not be carried out.

A Training School for Teachers.

No one thing concerns the interests of the schools so much as the efficiency of the teachers. Good teachers must, under any and all circumstances, secure good schools, and all true friends of education must be desirous of securing the services of the best teachers that may be procured. It is in the highest degree important that teaching should be regarded as a profession, and that none but those possessed of good scholastic attainments, supplemented by professional training, should be licensed or appointed to teach. It is manifestly wrong to put untrained persons into positions demanding the best service of skilled workmen. It is estimated that we employ annually about sixty new teachers, who are

pronounced competent so far as the subjects to be taught are concerned, but who, in most cases, have seldom any knowledge of the science of education, or of the practice of teaching. Now it is plain to any one that this should be remedied, and that we should provide a training school for the education of teachers in the science and practice of teaching. This has been recommended to the board on former occasions, but it is done again as it is a matter of too great importance to be lost sight of. Besides providing a plan for securing teachers skilled in the science and art of teaching, a training school could be organized, without in the least impairing its efficiency, so as to provide a much more desirable method of appointing teachers than the one followed at present. The course of study should be arranged for two years, and the students appointed annually in the month of September as follows: half the number selected by the members of the board from the graduates of the high schools, or college, who have received a graduating average of scholarship of 85; and the other half selected in the same manner, at the option of the member who appoints, either from the graduates of the high schools or college, who have received a graduating average of scholarship of 85, or from others of equal qualifications. It should be understood that this school is organized not only for the purpose of qualifying suitable persons to teach, but that one of its most serviceable functions is, to exclude those, who while possessing the requisite scholastic qualifications, have no aptitude for the work of teach-

ing. It should also be guaranteed to the students that after graduation they only shall be entitled to fill vacancies as they occur in the schools, and that until they receive appointments as regular teachers, they shall constitute the corps of substitute teachers. At this time there are over five hundred names on the list of persons eligible to teach, and as our commissioners are generally men of business, it may be seen to what annoyance and inconvenience they are continually subjected by the large number of—in many instances—importunate place hunters. They insist, too, that influence, not merit, secures places, and in consequence not only they themselves, but their relatives and friends, are enlisted to urge their appointment.

The plan of appointment proposed would relieve the commissioners of this annoyance, and at the same time secure teachers in a way that would be open to none but persons of excellent ability and qualifications. Baltimore city expends annually a large sum of money to give opportunity to those possessing the requisite natural ability to fully prepare themselves, from a literary point of view, for the work of teaching, and in selecting those whom it is proposed to educate further in the science and art of their proposed profession, is any other plan fair, either to applicants or to the city's interests, but the one which selects the very best of those who are applicants? This plan, if properly carried out, means that when fifty children who enter the schools need a teacher, they will be put in charge of one who is well instructed in the branches

of study pursued in our schools, who has been well instructed in the science and art of education, and who in a school of practice has given evidence that she has aptitude for school work, and has acquired skill in the management and instruction of children.

There is room for the accommodation of the school in either of the centrally located buildings on the corner of Greene and Fayette streets, and the primary and grammar school classes in those buildings would afford ample opportunity for observation and practice. One principal teacher and an assistant would be sufficient to take charge of the school at first, whose salaries, together with the cost of books and of fitting up the rooms, would constitute the entire expense, which altogether would not exceed $3,000. Its beneficial influence would not be confined to the schools in which its graduates taught, for its methods would be communicated to other teachers and would be gradually diffused through the system.

It is earnestly hoped that a school of this kind may be speedily organized upon the most economical and serviceable basis. The cost of establishing and maintaining it will be amply justified by the increased efficiency secured by providing this method of selecting as teachers only those who are well qualified in all respects for the work of instruction. A plan that will secure better teachers ought to meet with the approval and hearty support of every one who is interested in the cause of popular education.

The excellence of the schools of Germany has been attained by the means provided for the training and selection of teachers, permanent tenure of office, a system of pensions provided for superannuated teachers, and by the faithful execution of wholesome rules relating to the attendance and conduct of pupils. It is there required that every teacher, even those of the lowest grades, must have had three, and in some provinces four, years of professional normal training, and at least one year, and in some places two years, of practice or trial.

Improvement of the Teachers.

Meetings of the teachers of the different grades have been held at various times during the year, and these meetings have been of decided benefit to the schools.

During the year classes of teachers have been formed, under the auspices of the Teachers' Association, for instruction in botany, literature, kindergarten, and physical culture. The association also provided a course of lectures on topics instructive and interesting to teachers. The Teachers' Reading Circle has been in continuous operation since its organization, and affords its members opportunities for improvement. Many of the teachers have availed themselves most willingly of these agencies for promoting the usefulness of the schools, and they are awakening a greater interest in our work, and are helping to make the

schools more efficient and useful. For the benefit of newly appointed teachers the Saturday Normal Class should be re-established on an improved basis, and newly appointed teachers should be required to attend this class for at least thirty-two sessions. The class should meet weekly, on Saturday, under the management of a competent principal and assistants. The course should embrace a study of the science and practice of teaching, with a view of developing the capacity for teaching, and of securing an understanding of the results that are to be attained by the instruction given in the various grades of the schools. For the improvement of teachers, who have been in the service a long time, grade meetings should be held once a month under the same conditions. Many of our progressive teachers are daily becoming more capable of making the branches pursued the means rather than the end of education, and of teaching all the studies primarily, with the view of securing valuable traits of character and the cultivation of intellectual habits. Knowledge is a useful possesion only when its possessor is capable of using it. Improvement in the schools must come by giving capability the first place, and in making the acquisition of knowledge a secondary matter.

Sewing.

In my last report it was recommended that provision be made for giving instruction in sewing one hour a week to the girls of the fourth grade in the female department of the grammar schools. The same argu-

ments that are used to show the necessity for giving boys attending our schools instruction in manual training apply as well for the introduction of sewing into the schools attended by the girls. Many persons are under the impression that, as the time taken for such instruction would otherwise be given to the literary work, in consequence, the proficiency of the pupils in their literary work would be lessened, but it is held by those whose experience enables them to judge of the effect of manual training upon the other work pursued in the schools, that such is not the case. The increased expense occasioned by its introduction would be the amount necessary to pay the salaries of the requisite number of special teachers, and about $200 for providing the few incidentals required. The board at one time made application to the Council upon the unanimous report of a committee appointed to investigate the subject, to be empowered to employ five special teachers to give the girls of the fourth grade instruction in needlework. It is earnestly hoped that the present Council will give the matter its favorable consideration.

Your attention is invited to the report of the Assistant Superintendent, herewith submitted, which gives an account of the condition and wants of the primary schools, also to the reports of the principals of Baltimore City College, the Eastern Female High School, the Western Female High School, and the Manual Training School, for information in regard to those schools.

The teachers have been faithful in the discharge of their duties, and my thanks are especially due them for the generous and helpful manner in which they have aided me in my efforts to promote the efficiency of the schools.

I desire to express my thanks to you, gentlemen, and to the officers of the Board, for courtesy and kindness extended to me on all occasions.

Respectfully submitted,

HENRY A. WISE,

Superintendent.

TABLES
Accompanying the Superintendent's Report.

TABLE A.

Statement showing the number of male and female teachers, and the number of pupils on roll, December, 1890; the average number of pupils on roll during the year; the average attendance for the year; the percentage of attendance for the year, and the number in school during the year.

Schools.	Teachers		Number of Pupils.					
	Males.	Females.	On roll December, 1890.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year, excluding duplicate enrollments.
Baltimore City College.	15	....	422	400	370	92	629	420
E. F. High School.....	1	9	323	290	269	93	418	293
W. F. High School.....	2	11	514	458	425	93	673	459
Totals.....	18	20	1,259	1,148	1,064	93	1,720	1,172
Manual Training School	15	....	428	472	400	84	746	708
Male Grammar No. 1...	2	5	285	278	257	92	410	321
" " " 2...	2	8	406	388	348	90	573	433
" " " 3...	2	3	121	124	106	86	194	144
" " " 4...	2	4	228	225	207	92	321	262
" " " 5...	1	5	220	201	177	88	318	239
" " " 6...	2	8	429	413	358	86	580	479
" " " 7...	2	5	258	249	223	90	369	274
" " " 8...	2	7	371	370	315	85	559	442
" G. & P. " 9...	1	4	152	143	115	80	230	224
" Grammar " 10...	2	5	266	250	221	88	380	269
" " " 11...	2	5	260	238	221	91	361	255
" " " 12...	2	5	309	291	264	91	420	290
" " " 13...	1	4	156	146	130	89	193	160
" " " 15...	2	11	495	481	435	90	719	556
" " " 17...	2	4	209	209	190	91	293	239
" " " 18...	2	3	157	155	133	85	240	179
" " " 19...	1	6	289	268	239	90	407	326
" " " 20...	2	8	401	365	321	88	542	392
" " " 21...	2	7	349	355	303	87	521	399
Totals.....	34	107	5,361	5,149	4,563	89	7,630	5,883

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On roll December, 1890.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year, excluding duplicate enrollments
Female Grammar No. 1.		10	400	398	343	86	555	469
" " " 2.		9	373	360	307	85	511	390
" " " 3.		5	158	155	130	84	231	178
" " " 4.		6	243	225	197	87	329	248
" " " 5.		7	259	239	196	82	345	253
" " " 6.		11	498	471	408	87	663	528
" " " 7.		7	279	274	241	88	396	310
" " " 8.		10	436	403	341	85	587	447
" G. & P. " 9.		5	143	144	111	78	226	222
" Grammar " 10.		8	333	313	275	88	479	357
" " " 11.		7	310	287	247	86	418	302
" " " 12.		7	278	262	223	85	407	292
" " " 13.		6	238	231	201	87	330	262
" " " 15.		15	632	602	551	92	895	745
" " " 16.		11	573	509	401	79	745	735
" " " 17.		7	268	252	226	90	385	299
" " " 18.		5	164	159	137	86	247	209
" " " 19.		7	300	287	243	85	422	345
" " " 20.		11	475	445	395	89	646	506
" " " 21.		12	541	524	432	82	785	642
Totals.....		166	6,901	6,540	5,605	85	9,602	7,739
English-German No. 1.	3	12	572	563	491	87	840	765
" " " 2.	4	24	1,100	1,064	956	90	1,418	1,371
" " " 3.	5	26	1,410	1,351	1,214	90	1,825	1,699
" " " 4.	3	26	1,210	1,175	1,017	87	1,590	1,554
" " " 5.	3	17	830	796	704	89	1,144	1,108
Totals.....	18	105	5,122	4,949	4,382	89	6,817	6,497

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On roll December, 1890.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year excluding duplicate enrollments.
Male Primary No. 1....	...	9	374	346	303	87	541	489
" " " 2....	....	5	182	176	153	87	295	290
" " " 3....	....	7	269	253	214	85	431	411
" " " 4....	....	6	251	242	208	86	351	339
" " " 5....	....	10	397	400	336	84	591	554
" " " 6....	....	9	430	405	360	89	587	570
" " " 7....	....	5	215	198	162	82	293	279
" " " 8....	....	4	183	184	149	81	267	245
" " " 10....	....	6	231	227	190	84	353	339
" " " 11....	....	13	563	522	448	86	818	767
" " " 12....	....	9	383	370	315	85	543	509
" " " 13....	....	5	191	143	113	80	339	319
" " " 14....	....	8	345	313	258	83	457	422
" " " 15....	....	10	373	371	307	82	534	500
" " " 16....	....	7	275	275	224	81	445	315
" " " 17....	....	7	314	366	300	82	541	511
" " " 18....	....	6	245	247	210	85	358	329
M. & F. " " 19....	....	4	165	376	305	81	640	601
Male " " 20....	....	16	601	613	524	85	910	851
" " " 21....	....	8	360	341	274	81	510	471
" " " 22....	....	9	400	376	316	84	575	549
" " " 23....	....	8	350	355	294	83	505	476
" " " 24....	....	8	399	344	308	90	513	479
" " " 25....	....	5	210	216	177	82	321	309
" " " 26....	....	5	234	203	177	87	333	319
" " " 27....	....	8	358	375	312	83	536	515
" " " 28....	....	7	285	396	340	86	674	649
" " " 29 ...	....	4	169	163	141	87	246	237
" " " 30....	....	14	595	562	460	82	905	843
" " " 31....	....	5	204	210	160	77	325	305
" " " 32....	....	7	300	291	255	88	327	209
" " " 33....	...	6	239	235	214	91	239	27
Totals.....	....	240	10,090	10,094	8,607	85	15,303	14,528

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On roll December, 1890.	Average roll for the year.	Average attendance for the year.	Percentage of attendance	Whole number in school during the year.	In school during the year, excluding duplicate enrollments.
Female Primary No. 1.	....	10	385	383	307	80	600	560
" " " 2.	....	5	193	193	169	88	290	286
" " " 3.	....	6	291	260	215	82	401	371
" " " 4.	....	6	247	249	210	84	358	352
" " " 5.	....	10	440	406	323	80	625	596
" " " 6	....	10	472	456	371	81	654	631
" " " 7.	....	4	180	175	139	77	262	252
" " " 8.	....	5	228	206	163	80	322	308
" " " 10.	....	6	229	237	195	84	392	374
" " " 11.	....	11	478	457	364	80	710	672
" " " 12.	....	9	426	389	324	83	588	561
" " " 13.	....	5	172	137	111	81	315	300
" " " 14.	....	7	292	257	205	80	424	382
" " " 15.	....	10	403	375	310	83	610	566
" " " 16.	....	6	236	243	190	78	379	367
" " " 17.	....	7	293	351	280	80	549	528
" " " 18.	....	6	256	254	203	80	367	345
" " " 20.	....	13	548	533	444	83	824	779
" " " 21.	...	7	307	289	226	78	440	414
" " " 22.	....	9	365	345	285	83	546	532
" " " 23.	....	8	328	332	281	85	478	462
" " " 24.	....	8	352	296	251	85	452	432
" " " 25.	....	5	228	228	177	77	338	328
" " " 26.	....	5	232	200	178	89	312	293
" " " 27.	....	8	369	360	320	89	572	546
" " " 28.	....	6	250	357	307	86	521	507
" " " 29.	....	4	173	168	140	84	249	244
" " " 30.	....	12	539	510	406	80	815	774
" " " 31.	....	5	190	189	155	82	290	257
" " " 32.	....	6	275	266	222	83	300	185
" " " 33.	....	6	271	271	248	93	281	65
Totals.....	....	225	9,648	9,372	7,719	82	14,274	13,269

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On roll December, 1890.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year, excluding duplicate enrollments.
High & Gram. Colored..	4	19	867	761	660	87	1,142	796
Male Colored No. 1....	1	4	223	194	147	76	340	339
" " " 2....	1	6	268	267	206	78	379	375
" " " 3....	2	7	401	355	295	83	521	515
" " " 4....	2	7	384	384	317	82	541	536
" " " 5....	1	6	293	270	215	80	411	409
" " " 6....	2	4	267	241	185	77	375	375
" " " 7....	2	9	414	413	338	82	663	658
" " " 8....	1	6	316	261	208	80	402	393
" " " 9....	3	5	366	315	243	77	519	512
Female " " 1....	....	8	374	338	247	73	525	513
" " " 2....	....	7	295	279	220	79	404	396
" " " 3....	....	10	387	386	297	76	583	579
" " " 4....	....	9	397	396	289	73	524	518
" " " 6....	....	6	292	273	208	76	464	452
" " " 7....	....	16	700	652	507	78	1,004	982
" " " 8....	....	8	318	288	222	77	459	458
" " " 9....	....	7	326	318	242	76	473	463
Totals.....	19	144	6,888	6,411	5,046	78	9,729	9,269

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	Teachers		Number of Pupils.					
	Males.	Females.	On roll December, 1890.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school during the year, excluding duplicate enrollments.
Annex No. 1	....	6	257	237	199	84	329	322
" " 2	1	15	667	648	526	81	896	868
" " 3	1	6	300	630	488	77	967	890
" " 4	....	8	373	302	231	77	474	423
" " 5	....	7	321	215	176	82	444	268
" " 6	1	4	215	308	241	78	537	469
" " 7	1	8	406	404	313	78	571	545
" " 8	1	8	381	355	277	78	526	503
" " 9	1	5	248	226	182	81	324	310
" " 10	1	5	220	212	176	84	298	280
" " 11	1	5	249	233	205	88	325	313
" " 12	4	11	632	563	512	91	784	714
" " 13	....	8	333	309	228	74	437	412
" " 14	....	2	50	51	39	76	78	76
" " 34, Male	....	5	205	205	179	87	205	17
" " 34, Female	....	4	167	167	141	84	168	19
" " 1, Colored	....	3	126	112	74	66	238	232
" " 3, "	....	1	52	52	30	58	82	82
Totals	12	111	5,202	5,229	4,217	80	7,683	6,693

TABLE A—Concluded.

RECAPITULATION.

SCHOOLS.	Number of Schools.	No. of Teachers.				Number of Pupils.					
		Males, Dec., 1890.	Females, Dec., 1890.	Totals, Dec., 1890.	Average for the year.	On roll December, 1890.	Average roll for the year.	Average attendance for the year.	Percentage of attendance.	Whole number in school during the year.	In school dur'g the year, excluding duplicate enrollments
Baltimore City College	1	15	....	15	14	422	400	370	92	629	420
Eastern Female High School	1	1	9	10	10	323	290	269	93	418	293
Western Female High School	1	2	11	13	12	514	458	425	93	673	459
Manual Training School	1	15	....	15	15	428	472	400	84	746	708
Male Grammar Schools	19	34	107	141	140	5,361	5,149	4,563	89	7,630	5,883
Female Grammar Schools	20	....	166	166	165	6,901	6,540	5,605	85	9,602	7,739
English-German Schools	5	18	105	123	118	5,122	4,949	4,382	89	6,817	6,497
Male Primary Schools	32	....	240	240	233	10,090	10,094	8,607	85	15,303	14,528
Female Primary Schools	31	....	225	225	213	9,648	9,372	7,719	82	14,274	13,269
Colored Schools	18	19	144	163	155	6,888	6,411	5,046	78	9,729	9,269
Annex Schools	18	12	111	123	115	5,202	5,229	4,217	80	7,683	6,693
	147	116	1118	1234	1190	50,899	49,364	41,603	87	73,504	65,758
Special Teachers { Music	....	2	....	2	2	.....	.....	.....	....	.....	.....
Special Teachers { Drawing	....	....	8	8	8	.....	.....	.....	....	.....	.....
Totals	147	118	1126	1244	1200	50,899	49,364	41,603	87	73,504	65,758

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE B.

DIFFERENT GRADES OF SCHOOLS COMPARED.

Number of pupils in High Schools,	1890.....	1,259	
" " " "	1889.....	1,162	
Increase.....			97
Number of pupils in Manual Training School,	1890.....	428	
" " " " "	1889.....	497	
Decrease.....			69
Number of pupils in Grammar Schools,	1890.....	12,262	
" " " "	1889.....	11,990	
Increase.....			272
Number of pupils in English-German Schools,	1890.....	5,122	
" " " "	1889.....	5,030	
Increase.....			92
Number of pupils in Primary Schools,	1890.....	19,738	
" " " "	1889.....	18,728	
Increase.....			1,010
Number of pupils in Colored Schools,	1890.....	6,888	
" " " "	1889.....	6,577	
Increase.....			311
Number of pupils in Annex Schools,	1890.....	5,202	
" " " "	1889.....	4,866	
Increase.....			336
Increase.....			2,118
Decrease.....			69
Net Increase.....			2,049

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE C.

Showing the Number of Pupils and Teachers in the Public Schools on roll at the time of making the report each year, from the year 1829, when the first Public School was opened, to the year 1890, inclusive.

This Statement does not include Evening Schools, Normal Classes, nor Floating Schools.

Date.	Teachers.	Pupils.	Date.	Teachers.	Pupils.
1829	3	269	1860	284	13,186
1830	5	402	1861	295	13,424
1831	5	627	1862	311	13,888
1832	5	640	1863	333	14,847
1833	5	544	1864	343	15,319
1834	8	859	1865	366	15,957
1835	8	747	1866	402	17,550
1836	8	814	1867	490	22,073
1837	8	659	1868	537	21,903
1838	8	675	1869	540	23,552
1839	16	1,126	1870	549	23,898
1840	22	1,834	1871	559	24,479
1841	27	2,331	1872	581	25,092
1842	28	2,464	1873	588	26,663
1843	30	2,669	1874	626	27,634
1844	38	3,366	1875	672	29,942
1845	52	4,313	1876	717	31,071
1846	65	5,087	1877	734	32,523
1847	90	6,439	1878	784	34,002
1848	100	6,696	1879	798	35,595
1849	110	6,763	1880	799	35,297
1850	119	7,093	1881	824	35,630
1851	138	8,011	1882	826	35,639
1852	175	9,081	1883	855	37,546
1853	186	9,447	1884	893	38,618
1854	207	9,717	1885	930	39,828
1855	217	10,588	1886	972	39,779
1856	238	11,441	1887	994	41,199
1857	245	11,269	1888	*1119	*46,521
1858	256	11,587	1889	*1187	*48,850
1859	267	11,750	1890	*1244	*50,899

*Including Annex Schools.

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE D.

Statement showing the ages of the pupils on roll in the several schools.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF																
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Totals
Balto. City College	....	....	....	....	....	....	....	2	3	64	139	135	47	19	13	.....	422
East. Fem. High	....	....	....	....	....	....	....	....	6	49	68	102	60	31	6	1	323
West. Fem. High	....	....	....	....	....	....	....	....	8	63	135	140	113	47	8	.....	514
Totals	....	....	....	....	....	....	....	2	17	176	342	377	220	97	27	1	1259
Manual Training	....	....	....	....	....	....	....	....	75	126	117	65	37	7	1	.....	428
Male Gram. No. 1	....	....	....	....	12	29	50	59	52	51	24	6	2	.....	.....	.....	285
" " 2	....	....	....	3	14	67	72	86	86	48	22	6	1	1	.....	.....	406
" " 3	....	....	....	....	2	18	29	26	30	11	4	.....	1	.....	.....	.....	121
" " 4	....	....	....	....	9	20	39	63	40	38	10	7	2	.....	.....	.....	228
" " 5	....	....	....	....	15	22	57	46	45	17	15	2	.....	.....	1	.....	220
" " 6	....	....	....	1	18	51	74	105	82	62	28	7	1	.....	.....	.....	429
" " 7	....	....	....	....	8	29	52	61	50	53	5	.....	.....	.....	.....	.....	258
" " 8	....	....	....	....	14	40	58	87	89	58	22	3	.....	.....	.....	.....	371
"G. & P. " 9	3	13	12	21	19	22	21	14	18	5	4	.....	.....	.....	.....	.....	152
"Gram. " 10	....	....	....	....	19	27	54	63	56	40	7	.....	.....	.....	.....	.....	266
" " 11	....	....	....	....	16	40	46	55	62	36	5	.....	.....	.....	.....	.....	260
" " 12	....	....	....	3	21	49	69	68	65	24	9	1	.....	.....	.....	.....	309
" " 13	....	....	....	10	9	10	22	33	36	26	8	2	.....	.....	.....	.....	156
" " 15	....	....	....	1	26	62	91	119	89	65	31	9	2	.....	.....	.....	495
" " 17	....	....	....	....	8	26	31	58	24	44	10	8	.....	.....	.....	.....	209
" " 18	....	....	....	....	9	24	28	38	25	21	10	2	.....	.....	.....	.....	157
" " 19	....	....	....	1	11	33	47	61	54	51	21	5	4	1	.....	.....	289
" " 20	....	....	....	....	18	43	71	94	97	54	22	2	.....	.....	.....	.....	401
" " 21	....	....	....	2	19	35	54	87	75	48	20	7	2	.....	.....	.....	349
Totals	3	13	12	42	267	647	965	1223	1075	752	277	67	15	2	1	.....	5361

TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF																
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Totals
Fem. Gram. No. 1	....	....	....	1	2	10	41	61	77	85	65	46	12	....	....	....	400
" " 2	....	....	....	....	19	52	62	97	72	49	19	2	.....	1	....	....	373
" " 3	....	....	....	....	7	25	28	42	24	23	6	3	.....	....	....	....	158
" " 4	....	....	....	1	6	33	44	48	51	44	15	1	.....	....	....	....	243
" " 5	....	....	....	1	18	42	54	44	52	36	6	6	.....	....	....	....	259
" " 6	....	....	....	1	13	57	77	100	98	85	41	25	1	....	....	....	498
" " 7	....	....	....	....	6	29	72	67	61	32	10	2	.....	....	....	....	279
" " 8	....	....	....	5	24	45	70	86	107	61	29	9	.....	....	....	....	436
Fem. G. & P. " 9	5	11	20	16	24	10	8	16	9	16	6	2	.....	....	....	....	143
Fem. Gram. " 10	....	....	....	....	13	49	66	82	73	33	11	5	1	....	....	....	333
" " 11	....	....	....	1	12	60	49	71	57	42	12	6	.....	....	....	....	310
" " 12	....	....	....	2	16	50	69	62	49	22	8	....	.....	....	....	....	278
" " 13	....	....	....	1	8	33	46	62	48	21	12	6	1	....	....	....	238
" " 15	....	....	....	4	17	82	96	117	140	94	51	30	1	....	....	....	632
" " 16	55	64	77	77	79	73	66	32	26	20	3	1	....	....	....	....	573
" " 17	....	....	....	1	21	38	46	60	47	33	16	3	3	....	....	....	268
" " 18	....	....	....	....	6	22	32	33	25	25	16	3	2	....	....	....	164
" " 19	....	....	....	1	13	27	41	50	69	58	33	6	1	1	....	....	300
" " 20	....	....	....	.. .	18	46	73	103	103	75	43	10	3	....	1	....	475
" " 21	....	....	....	1	12	60	73	103	110	103	58	20	1	....	....	....	541
Totals.....	60	75	97	113	334	843	1113	1336	1298	957	460	186	26	2	1	....	6901
Eng.-Ger. No. 1...	1	57	70	67	72	74	67	88	42	28	6	.....	.....	.....	.....	.....	572
" " 2...	9	141	169	163	168	156	128	81	53	26	6	.....	.....	.....	.....	.....	1100
" " 3...	33	109	187	173	194	204	183	178	94	47	7	.....	1	.....	.....	.....	1410
" " 4...	7	135	207	177	189	171	135	108	58	21	2	.....	.....	.....	.....	.....	1210
" " 5...	43	103	129	109	129	103	98	75	32	9	.....	.....	.....	.....	.....	.....	830
Totals.....	93	545	762	689	752	708	611	530	279	131	21	.....	1	.....	.....	.....	5122

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF															
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Totals
Male Prim. No. 1	30	51	60	83	66	40	23	17	4	.....	.....	.....	.....	.....	.....	.....	374
" " 2	7	23	25	27	38	32	8	14	4	2	2	.....	.....	.....	.....	.....	182
" " 3	....	31	37	45	49	39	30	24	12	1	1	.....	.....	.....	.....	.....	269
" " 4	6	46	35	47	59	29	13	10	3	3	.....	.....	.....	.....	.....	.....	251
" " 5	37	66	48	56	65	56	23	31	9	6	.....	.....	.....	.....	.....	.....	397
" " 6	33	73	97	110	69	29	16	3	.....	.....	.....	.....	.....	.....	.....	.....	430
" " 7	2	32	39	37	33	37	20	13	1	1	.....	.....	.....	.....	.....	.....	215
" " 8	4	29	35	28	40	21	13	9	4	.....	.....	.....	.....	.....	.....	.....	183
" " 10	10	35	36	45	44	33	16	9	3	.....	.....	.....	.....	.....	.....	.....	231
" " 11	6	85	106	97	94	69	48	36	14	6	2	.....	.....	.....	.....	.....	563
" " 12	11	66	85	78	64	38	25	12	4	.....	.....	.....	.....	.....	.....	.....	383
" " 13	20	39	26	22	26	24	14	14	4	1	1	.....	.....	.....	.....	.....	191
" " 14	7	35	75	78	84	43	11	8	3	1	.....	.....	.....	.....	.....	.....	345
" " 15	....	48	62	73	92	41	34	14	8	1	.....	.....	.....	.....	.....	.....	373
" " 16	6	50	57	44	43	31	23	19	2	.....	.....	.....	.....	.....	.....	.....	275
" " 17	5	42	52	55	48	51	31	18	8	4	.....	.....	.....	.....	.....	.....	314
" " 18	5	29	35	50	59	37	14	10	4	1	.....	1	.....	.....	.....	.....	245
M. & F. Prim. " 19	2	28	30	32	20	26	13	10	3	.....	1	.....	.....	.....	.....	.....	165
Male Prim. " 20	19	83	104	123	115	90	29	24	13	1	.....	.....	.....	.....	.....	.....	601
" " 21	3	42	56	58	66	66	40	19	7	2	1	.....	.....	.....	.....	.....	360
" " 22	15	50	81	76	67	57	32	16	3	3	.....	.....	.....	.....	.....	.....	400
" " 23	7	59	52	71	58	46	31	17	6	2	1	.....	.....	.....	.....	.....	350
" " 24	3	44	74	75	76	57	33	22	9	4	2	.....	.....	.....	.....	.....	399
" " 25	10	36	33	41	36	26	15	11	2	.....	.....	.....	.....	.....	.....	.....	210
" " 26	9	29	43	51	36	33	14	16	3	.....	.....	.....	.....	.....	.....	.....	234
" " 27	9	50	62	81	64	48	28	13	3	.....	.....	.....	.....	.....	.....	.....	358
" " 28	1	42	45	56	42	44	32	15	6	1	1	.....	.....	.....	.....	.....	285
" " 29	4	15	28	31	29	25	13	16	6	1	1	.....	.....	.....	.....	.....	169
" " 30	4	75	103	107	127	84	48	28	11	5	.....	.....	.....	.....	.....	.....	595
" " 31	8	30	44	41	35	23	7	9	5	2	.....	.....	.....	.....	.....	.....	204
" " 32	17	57	49	56	42	36	23	11	5	3	1	.....	.....	.....	.....	.....	300
" " 33	38	46	24	54	27	23	18	9	.....	.....	.....	.....	.....	.....	.....	.....	239
Totals.....	338	1466	1741	1928	1813	1334	738	497	169	51	14	1	.....	.....	.....	.....	10090

TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF															
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Totals
Fem. Prim. No. 1	8	51	66	67	71	62	32	13	8	6	1	.....	.....	.....	.....	.....	385
" " 2	....	27	38	36	38	19	23	7	5	.....	.....	.....	.....	.....	.....	.....	193
" " 3	5	52	43	70	61	32	18	9	1	.....	.....	.....	.....	.....	.....	.....	291
" " 4	11	36	37	45	50	36	18	8	4	2	.....	.....	.....	.....	.....	.....	247
" " 5	17	60	94	74	79	62	33	14	7	.....	.....	.....	.....	.....	.....	.....	440
" " 6	22	84	92	108	79	39	29	14	4	1	.....	.....	.....	.....	.....	.....	472
" " 7	10	30	33	45	29	17	12	3	1	.....	.....	.....	.....	.....	.....	.....	180
" " 8	18	35	57	36	38	24	11	8	1	.....	.....	.....	.....	.....	.....	.....	228
" " 10	13	30	41	48	41	23	15	10	7	1	.....	.....	.....	.....	.....	.....	229
" " 11	7	63	84	95	88	77	33	23	5	2	1	.....	.....	.....	.....	.....	478
" " 12	6	72	96	80	65	65	25	9	7	.....	1	.....	.....	.....	.....	.....	426
" " 13	12	29	43	28	20	18	8	10	3	1	.....	.....	.....	.....	.....	.....	172
" " 14	4	28	63	63	66	38	21	7	2	.....	.....	.....	.....	.....	.....	.....	292
" " 15	4	60	69	93	84	58	16	13	4	2	.....	.....	.....	.....	.....	.....	403
" " 16	9	33	46	64	38	25	17	2	2	.....	.....	.....	.....	.....	.....	.....	236
" " 17	6	42	54	56	60	31	26	10	8	.....	.....	.....	.....	.....	.....	.....	293
" " 18	3	32	65	71	44	30	8	1	2	.....	.....	.....	.....	.....	.....	.....	256
" " 20	15	73	86	105	120	81	40	19	7	2	.....	.....	.....	.....	.....	.....	548
" " 21	3	39	57	54	51	40	30	25	7	1	.....	.....	.....	.....	.....	.....	307
" " 22	5	40	57	80	69	46	39	21	8	.....	.....	.....	.....	.....	.....	.....	365
" " 23	12	49	63	72	65	33	19	9	6	.....	.....	.....	.....	.....	.....	.....	328
" " 24	4	60	79	53	71	51	26	6	1	.....	1	.....	.....	.....	.....	.....	352
" " 25	10	45	42	46	37	28	10	10	.....	.....	.....	.....	.....	.....	.....	.....	228
" " 26	8	33	47	43	48	31	13	6	3	.....	.....	.....	.....	.....	.....	.....	232
" " 27	7	63	82	89	58	35	19	10	5	.....	1	.....	.....	.....	.....	.....	369
" " 28	4	34	62	50	48	23	13	9	5	2	.....	.....	.....	.....	.....	.....	250
" " 29	8	29	37	31	31	21	9	3	4	.....	.....	.....	.....	.....	.....	.....	173
" " 30	1	72	94	110	106	70	44	28	10	3	1	.....	.....	.....	.....	.....	539
" " 31	2	27	36	26	29	29	23	11	4	3	.....	.....	.....	.....	.....	.....	190
" " 32	6	51	53	46	50	36	14	14	1	4	.....	.....	.....	.....	.....	.....	275
" " 33	8	36	62	52	50	26	16	17	4	.....	.....	.....	.....	.....	.....	.....	271
Totals.....	248	1415	1878	1936	1784	1206	660	349	136	30	6	.....	.....	.....	.....	.....	9648

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF																
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Totals
*H. & Gram., Col'd	....	....	....	....	....	27	46	106	184	203	140	98	39	16	4	4	867
Male Col'd No. 1	....	11	20	18	23	26	38	30	31	14	10	1	1	.....	.....	.....	223
" " 2	....	27	35	31	29	50	31	26	20	9	7	3	.....	.....	.....	.....	268
" " 3	....	36	36	52	62	57	48	55	30	16	6	3	.....	.....	.....	.....	401
" " 4	....	12	49	50	52	69	44	40	37	21	9	1	.....	.....	.....	.....	384
" " 5	1	33	41	44	47	44	35	25	10	10	3	.....	.....	.....	.....	.....	293
" " 6	....	17	45	28	30	40	25	40	22	13	7	.....	.....	.....	.....	.....	267
" " 7	10	31	41	45	75	51	50	43	43	15	8	2	.....	.....	.....	.....	414
" " 8	3	35	40	51	31	53	30	32	23	12	5	.....	.....	1	.....	.....	316
" " 9	....	14	35	36	50	72	52	42	38	17	8	.....	2	.....	.....	....	366
Fem. Col'd " 1	1	41	27	28	28	54	44	44	51	38	11	6	1	.....	.....	.....	374
" " 2	24	30	25	36	44	39	37	30	19	7	2	2	.....	.....	.....	.....	295
" " 3	6	33	39	56	49	65	38	45	37	17	1	1	.....	.....	.....	.....	387
" " 4	3	15	49	47	54	54	58	53	34	20	7	3	.....	.....	.....	.....	397
" " 6	8	28	38	36	39	47	36	33	13	7	5	2	.....	.....	.....	.....	292
" " 7	8	55	80	90	99	98	85	78	56	42	9	.....	.....	.....	.....	.....	700
" " 8	16	32	44	46	36	41	35	33	22	7	6	.....	.....	.....	.....	.....	318
" " 9	2	12	37	41	50	45	50	38	21	15	12	1	2	.....	.....	.....	326
Totals.....	82	462	681	735	798	932	782	793	691	483	256	123	45	17	4	4	6888

*Including its two annexes.

TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF															
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	Totals
Annex No. 1.....	2	29	30	33	42	36	41	29	10	4	1	.....	.....	.....	.....	.....	257
" " 2.....	11	46	71	77	64	101	75	69	60	50	28	13	1	1	.....	.....	667
" " 3.....	.....	.....	.....	1	13	38	41	58	72	45	25	7	.....	.....	.....	.....	300
" " 4.....	20	47	76	61	82	45	22	12	7	1	.....	.....	.....	.....	.....	.....	373
" " 5.....	12	53	58	73	46	39	24	11	4	.....	1	.....	.....	.....	.....	.....	321
" " 6.....	.....	.....	.....	.....	5	23	47	51	37	23	21	7	1	.....	.....	.....	215
" " 7.....	1	40	41	49	45	77	48	47	34	14	8	2	.....	.....	.....	.....	406
" " 8.....	10	38	45	54	62	59	47	39	13	12	1	1	.....	.....	.....	.....	381
" " 9.....	....	25	28	33	34	42	15	29	23	12	6	1	.....	.....	.....	.....	248
" " 10.....	2	15	37	24	31	27	22	19	23	12	8	.....	.....	.....	.....	.....	220
" " 11.....	6	32	22	35	27	29	33	21	17	19	5	3	.....	.....	.....	.....	249
" " 12.....	....	66	91	84	90	77	89	77	42	13	3	.....	.....	.....	.....	.....	632
" " 13.....	22	40	46	36	40	55	32	30	21	10	1	....	.....	.....	.....	.....	333
" " 14.....	1	4	8	3	9	6	5	6	3	4	.....	1	.....	.....	.....	.....	50
" " 34, M..	3	29	23	42	36	32	12	15	10	3	.....	.....	.....	.....	.....	.....	205
" " 34, F...	3	21	34	34	26	23	9	11	5	1	.....	.....	.....	.....	.....	.....	167
" " 1, Col.	11	18	13	16	11	18	8	15	7	7	1	1	.....	.....	.....	.....	126
" " 3, "	4	5	8	8	3	6	4	8	2	3	1	.....	.....	.....	.....	.....	52
Totals.....	108	508	631	663	666	733	574	547	390	233	110	36	2	1	.....	.....	5202

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE D—Concluded.

RECAPITULATION.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF																Totals
	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	
College and High	...	....	....	....	....	.....	.....	2	17	176	342	377	220	97	27	1	1259
Manual Training	....	....	....	....	....	.....	.....	.....	75	126	117	65	37	7	1	.....	428
Male Grammar	3	13	12	42	267	647	965	1223	1075	752	277	67	15	2	1	.....	5361
Female Grammar	60	75	97	113	334	843	1113	1336	1298	957	460	186	26	2	1	.....	6901
English - German	93	545	762	689	752	708	611	530	279	131	21	.....	1	.....	.....	.....	5122
Male Primary	338	1466	1741	1928	1813	1334	738	497	169	51	14	1	.....	.....	.....	.....	10090
Female Primary	248	1415	1878	1936	1784	1206	660	349	136	30	6	.....	.....	.....	.....	.....	9648
Colored	82	462	681	735	798	932	782	793	691	483	256	123	45	17	4	4	6888
Annex	108	508	631	663	666	733	574	547	390	233	110	36	2	1	.....	.....	5202
Totals	932	4484	5802	6106	6414	6403	5443	5277	4130	2939	1603	855	346	126	34	5	50899

TABLE E.

Statement showing the Number of Pupils in each grade.

SCHOOLS. HIGH SCHOOL AND MANUAL TRAINING COURSE.	Fifth year.	Fourth year.		Third year.		Second year.		First year.		Preparatory.	Totals.	
	Males.	Males.	Females	Males.	Females	Males.	Females	Males.	Females	Males.	Males.	Females
Baltimore City College	8	28		72		118		196			422	
Eastern Female High School			44		58		98		123			323
Western Female High School			60		85		150		219			514
Manual Training School				29		71		99		229	428	
*High and Gram. Col'd School		2	6	4	4		14	7	17		13	41
Totals	8	30	110	105	147	189	262	302	359	229	863	878

*See also on page 98.

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E—Continued.

GRAMMAR SCHOOLS.	Eighth Grade.	Seventh Grade.	Sixth Grade.	Fifth Grade.	Fourth Grade.	Totals.
Male No. 1	18	44	62	67	92	285
" 2	21	37	70	106	173	406
" 3	.....	5	32	30	63	131
" 4	17	34	48	66	63	228
" 5	14	21	47	57	81	220
" 6	72	58	97	91	131	429
" 7	13	22	36	87	100	258
" 8	28	30	73	109	133	371
" 10	11	31	37	68	121	266
" 11	11	32	44	70	103	260
" 12	16	26	38	82	136	300
" 13	18	21	40	39	38	156
" 15	31	63	98	132	171	495
" 17	18	24	36	77	55	210
" 18	4	14	29	38	72	157
" 19	27	40	44	78	100	289
" 20	28	44	77	116	136	401
" 21	11	42	67	91	148	349
Totals	334	595	967	1406	1907	5209
Female No. 1	42	62	104	88	106	400
" 2	39	49	75	92	128	373
" 3	9	7	29	60	53	158
" 4	24	27	47	54	91	243
" 5	21	23	56	70	86	259
" 6	48	75	101	115	127	466
" 7	14	24	61	78	102	279
" 8	32	50	80	119	155	436
" 10	16	31	58	110	118	333
" 11	30	40	53	89	105	310
" 12	.....	16	54	74	134	278
" 13	17	29	40	89	63	238
" 15	66	94	137	149	189	635
" 17	16	37	56	50	109	268
" 18	11	21	35	48	49	164
" 19	36	44	89	48	83	300
" 20	46	92	88	111	138	475
" 21	47	77	138	156	125	541
Totals	495	801	1343	1705	1961	6185

The reports of No. 9 and No. 16 are included in statement on page 98.

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E—Continued.

PRIMARY SCHOOLS.	Third Grade.	Second Grade.	First Grade.	Totals.	PRIMARY SCHOOLS.	Third Grade.	Second Grade.	First Grade.	Totals.
Male No. 1.....	93	119	162	374	Female No. 1...	88	130	167	385
" 2.....	31	35	116	182	" 2...	31	41	121	193
" 3.....	53	67	149	269	" 3...	52	86	153	291
" 4.....	47	82	122	251	" 4...	66	62	119	247
" 5.....	65	110	222	397	" 5...	83	126	231	440
" 6.....	54	157	219	430	" 6...	94	133	245	472
" 7.....	25	76	114	215	" 7...	43	47	92	180
" 8.....	45	58	80	183	" 8...	44	51	133	228
" 10.....	33	77	121	231	" 10...	60	47	122	229
" 11.....	119	192	252	563	" 11...	127	147	204	478
" 12.....	73	111	199	383	" 12...	67	125	234	426
" 13.....	20	45	126	191	" 13...	18	22	132	172
" 14.....	124	102	119	345	" 14...	77	83	132	292
" 15.....	96	116	161	373	" 15...	110	123	170	403
" 16.....	54	62	159	275	" 16...	59	79	98	236
" 17.....	57	91	166	314	" 17...	64	82	147	293
" 18.....	72	77	96	245	" 18...	46	93	117	256
" 20.....	126	136	339	601	" 20...	139	182	227	548
" 21.....	45	108	207	360	" 21...	61	81	165	307
" 22.....	72	91	237	400	" 22...	56	130	179	365
" 23.....	81	119	150	350	" 23...	68	78	182	328
" 24.....	53	85	261	399	" 24..	35	101	216	352
" 25.....	36	46	128	210	" 25...	38	47	143	228
" 26.....	53	80	101	234	" 26...	55	93	84	232
" 27.....	87	80	191	358	" 27...	81	74	214	369
" 28.....	55	81	149	285	" 28...	47	53	150	250
" 29.....	35	47	87	169	" 29...	33	44	96	173
" 30.....	115	161	319	595	" 30...	116	184	239	539
" 31.....	52	67	85	204	" 31...	43	63	84	190
" 32.....	53	91	156	300	" 32...	79	60	136	275
" 33.....	19	71	149	239	" 33...	41	69	161	271
Totals.....	1943	2840	5142	9925	Totals.....	2021	2734	4893	9648

The report of No. 19 is included in statement on page 98.

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E—Continued.

SCHOOLS.	8th grade.		7th grade.		6th grade.		5th grade.		4th grade.		3d grade.		2d grade.		1st grade.		Totals.	
	Males.	Fem.	Males.	Fem.	Males.	Fem.	Ma'es.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Females.
M. G. & P. No. 9	4	....	1	....	14	....	17	....	23	....	19	....	27	....	47	....	152	.....
F. G. & P. " 9	....	9	....	9	....	9	....	13	....	14	....	28	....	18	....	43	.....	143
Fem. Gram. " 16	2	2	3	1	7	6	11	9	22	26	41	36	54	61	142	150	282	291
Eng.-Ger. " 1	7	6	11	6	19	19	27	26	32	33	60	51	51	56	100	68	307	265
" " 2	11	3	5	7	24	12	36	37	63	54	82	81	123	112	249	201	593	507
" " 3	10	4	12	15	39	31	63	54	106	86	142	113	183	172	207	173	762	648
" " 4	2	6	....	....	17	21	43	28	84	65	106	92	165	149	228	204	645	565
" " 5	9	11	9	17	51	33	53	43	58	52	55	61	87	90	102	99	424	406
M. & F. P. " 19	....	....	....	....	....	....	....	....	....	....	12	20	18	29	49	37	79	86
*H. & G. Col'd	20	31	48	81	88	133	199	213	....	....	....	....	....	....	....	....	355	458
Male Col'd No. 1	....	....	....	....	....	....	....	....	34	....	40	....	53	....	96	....	223	.....
" " 2	....	....	....	....	....	....	....	....	42	....	36	....	64	....	126	....	268	.....
" " 3	....	....	....	....	....	....	....	....	62	....	69	....	81	....	189	....	401	.....
" " 4	....	....	....	....	....	....	....	....	69	....	75	....	111	....	129	....	384	.....
" " 5	....	....	....	....	....	....	....	....	10	15	19	19	20	22	91	97	140	153
" " 6	....	....	....	....	....	....	....	....	24	....	37	....	65	....	141	....	267	.....
" " 7	....	....	....	....	....	....	....	....	12	....	53	....	100	....	249	....	414	.....
" " 8	....	....	....	....	....	....	....	....	25	....	40	....	82	....	169	....	316	.....
" " 9	....	....	....	....	....	....	....	....	14	....	37	....	114	....	201	....	366	.....
Fem. Col'd " 1	....	....	....	....	....	....	....	....	....	53	....	85	....	99	....	137	.....	374
" " 2	....	....	....	....	....	....	....	....	....	20	....	30	....	73	....	172	.....	295
" " 3	....	....	....	....	....	....	....	....	....	49	....	62	....	70	....	206	.....	387
" " 4	....	....	....	....	....	....	....	....	....	20	....	66	....	116	....	195	.....	397
" " 6	....	....	....	....	....	....	....	....	....	28	....	19	....	70	....	175	.....	292
" " 7	....	....	....	....	....	....	....	....	....	56	....	88	....	141	....	415	.....	700
" " 8	....	....	....	....	....	....	....	....	....	35	....	37	....	74	....	172	.....	318
" " 9	....	....	....	....	....	....	....	....	....	24	....	55	....	82	....	165	.....	326
Totals, Males	65	....	89	....	259	....	449	....	680	....	923	....	1398	....	2515	....	6378	.....
" Females	....	72	....	136	....	264	....	423	....	630	....	943	....	1434	....	2709	.....	6611

*See also on page 95.

TABLE E—Continued.

SCHOOLS.	8th grade.		7th grade.		6th grade.		5th grade.		4th grade.		3d grade.		2d grade.		1st grade.		Totals.	
	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Females.
Annex No. 1	....	....	....	....	9	4	10	15	17	18	17	25	33	19	43	47	129	128
" " 2	7	16	19	36	21	26	30	30	34	30	52	50	54	49	107	106	324	343
" " 3	11	19	15	21	21	32	37	44	46	54	....	....	....	....	....	....	130	170
" " 4	....	....	....	....	....	....	....	....	....	....	35	29	49	53	105	102	189	184
" " 5	....	....	....	....	....	....	....	....	....	....	26	20	51	49	80	95	157	164
" " 6	....	10	11	18	19	31	17	20	40	49	....	....	....	....	....	....	87	128
" " 7	2	6	8	12	14	19	9	18	18	20	32	33	54	49	58	54	195	211
" " 8	1	....	2	....	7	5	16	12	36	43	29	33	35	24	67	71	193	188
" " 9	1	1	6	5	5	7	9	18	17	12	16	12	26	14	62	37	142	106
" " 10	1	1	6	6	10	6	7	13	15	9	19	19	27	13	35	33	120	100
" " 11	5	3	4	6	5	6	8	16	19	8	19	17	32	27	44	30	136	113
" " 12	....	....	11	5	20	17	23	19	48	35	42	53	56	59	122	122	322	310
" " 13	2	....	4	....	2	2	11	9	20	16	44	34	33	39	68	49	184	149
" " 14	....	....	....	....	4	1	....	2	6	4	3	6	5	4	5	10	23	27
" " 34, Male	....	....	....	....	....	....	....	....	....	....	42	....	82	....	81	....	205	.....
" " 34, Female	....	....	....	....	....	....	....	....	....	....	....	34	....	55	....	78	.....	167
" " 1, Colored	....	....	....	....	1	....	4	5	7	11	5	4	13	9	38	29	68	58
" " 3, "	....	....	....	....	1	....	1	....	....	2	1	3	8	7	14	15	25	27
Totals, Annex	30	56	86	109	139	156	182	221	323	311	382	372	558	470	929	878	2629	2573
In M. G. Schools	334	....	595	....	967	....	1406	....	1907	....	....	....	....	....	....	....	5209	.....
" F. G. "	....	495	....	801	....	1333	....	1595	....	1961	....	....	....	....	....	....	.....	6185
" M. P. " *	....	....	....	....	....	....	....	....	....	....	1943	....	2840	....	5142	....	9925	.....
" F. P. " *	....	....	....	....	....	....	....	....	....	....	....	2021	....	2734	....	4893	.....	9648
" Mixed "	65	72	89	136	259	264	449	423	680	630	923	943	1398	1434	2515	2709	6378	6611
Males	429	....	770	....	1365	....	2037	....	2910	....	3248	....	4796	....	8586	....	24141	.....
Females	....	623	....	1046	....	1753	....	2239	....	2902	....	3336	....	4638	....	8480	.....	25017

*See note on next page.

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E—Concluded.

RECAPITULATION.

	Males.	Females.	Total.
Number in Fifth year (High)	8	.....	8
" Fourth "	30	110	140
" Third " & M. T.	105	147	252
" Second " "	189	262	451
" First " "	302	359	661
" Preparatory Dept. (M. T.)	229	.....	229
Totals	863	878	1,741
Number in Eighth Grade (Grammar)	429	623	1,052
" Seventh " "	770	1,046	1,816
" Sixth " "	1,365	1,753	3,118
" Fifth " "	2,037	2,239	4,276
" Fourth " "	2,910	2,902	5,812
Totals	7,511	8,563	16,074
Number in Third Grade (Primary)*	3,248	3,336	6,584
" Second " " *	4,796	4,638	9,434
" First " "	8,586	8,480	17,066
Totals	16,630	16,454	33,084
Number in High and Manual Course	863	878	1,741
" Grammar School "	7,511	8,563	16,074
" Primary " "	16,630	16,454	33,084
Aggregate	25,004	25,895	50,899

*In Female Primary No. 8 are 24 boys, which in this statement are counted with the males.

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE F.

Result of Examination of Third Grade Pupils—June, 1890.

MALE PRIMARY SCHOOLS.	Number on roll.	Number examined.	Number passed.	Number promoted.	FEMALE PRIMARY SCHOOLS.	Number on roll.	Number examined.	Number passed.	Number promoted.
No. 1	71	65	39	60	No. 1	88	82	52	72
" 2	23	23	15	19	" 2	29	26	24	25
" 3	57	54	22	40	" 3	56	53	24	40
" 4	43	42	29	36	" 4	46	46	28	40
" 5	61	58	52	55	" 5	82	79	65	69
" 6	71	67	60	61	" 6	78	70	44	50
" 7	23	23	23	23	" 7	40	39	27	33
" 8	46	45	22	30	" 8	35	30	20	26
" 10	34	34	13	31	" 10	48	42	22	34
" 11	114	110	81	90	" 11	100	94	73	89
" 12	76	74	46	65	" 12	60	60	28	56
" 13	21	20	20	20	" 13	24	22	20	21
" 14	99	82	39	75	" 14	74	67	51	61
" 15	104	99	35	76	" 15	99	99	71	88
" 16	45	37	22	33	" 16	59	50	37	48
" 17	58	57	37	46	" 17	78	71	40	54
" 18	70	68	27	56	" 18	57	53	27	46
" 19	73	69	51	58	" 19	62	58	46	49
" 20	138	131	85	118	" 20	125	125	98	110
" 21	37	34	15	34	" 21	37	33	13	30
" 22	67	67	39	48	" 22	61	58	46	47
" 23	60	56	37	48	" 23	64	59	49	53
" 24	38	37	37	37	" 24	31	25	22	24
" 25	39	34	29	32	" 25	32	21	16	18
" 26	49	47	39	40	" 26	44	42	21	35
" 27	54	49	43	47	" 27	69	65	38	65
" 28	90	69	28	58	" 28	82	80	61	62
" 29	20	19	16	19	" 29	22	17	6	16
" 30	123	110	48	89	" 30	122	119	90	110
" 31	41	41	11	35	" 31	34	26	4	18
Totals	1845	1721	1060	1479	Totals	1838	1711	1163	1489

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE F—Concluded.

SCHOOLS.	Number on roll.	Number examined.	Number passed.	Number promoted.	ANNEX SCHOOLS.	Number on roll.	Number examined.	Number passed.	Number promoted.
M. G. & P. No. 9	26	25	17	22	No. 1.....	29	28	21	21
F. G. & P. " 9	12	10	5	6	" 2.....	73	67	45	50
Fem. Gram. " 16	50	40	32	34	" 3.....	96	84	60	70
Eng.-Ger. " 1	111	102	25	66	" 4.....	40	30	13	26
" " 2	130	125	98	105	" 5.....	54	49	31	43
" " 3	245	215	60	115	" 6.....	.....	.....	.....	.....
" " 4	214	204	86	139	" 7.....	47	39	14	18
" " 5	127	122	70	70	" 8.....	50	44	25	40
Male Col'd " 1	31	17	10	13	" 9.....	29	24	13	19
" " 2	41	39	14	23	" 10.....	25	22	12	19
" " 3	62	47	41	44	" 11.....	35	28	18	23
" " 4	82	79	62	62	" 12.....	80	75	47	58
" " 5	34	33	23	24	" 13.....	50	38	19	22
" " 6	36	29	16	19	" 14.....	7	7	6	7
" " 7	49	36	15	29	" 1 Col'd....	14	10	6	7
" " 8	32	28	16	23	" 3 "	3	1	1	1
" " 9	22	18	8	14					
Fem. Col'd " 1	70	60	45	49	Totals.....	632	546	331	424
" " 2	16	16	12	12					
" " 3	61	53	44	45					
" " 4	36	20	4	20					
" " 6	36	34	11	22					
" " 7	69	62	48	51					
" " 8	32	32	29	31					
" " 9	27	24	11	12					
Totals.....	1651	1470	802	1050					

RECAPITULATION.

SCHOOLS.	Number on roll.	Number examined.	Number passed.	Number promoted.
Male Primary.....	1845	1721	1060	1479
Female Primary.....	1838	1711	1163	1489
Other City Schools.....	1651	1470	802	1050
Annex Schools	632	546	331	424
Totals.....	5966	5448	3356	4442

REPORT

—OF THE—

Assistant Superintendent

—OF—

PUBLIC INSTRUCTION.

BALTIMORE, January 1st, 1891.

HENRY A. WISE, ESQ.,

Superintendent Public Instruction.

SIR:—I respectfully submit the following report of the condition of the primary department of our public schools for the year ending December 31st, 1890.

While it is true that the results acquired in the advanced part of our public school system are peculiarly gratifying, yet some praise is due the teachers of the primary department for the skillful application of correct methods, in the work assigned to them. Therefore, when I say that the most important and gratifying gains obtained during the past year are greater skill in teaching and superior tact employed in using means

to secure better results, I am not only paying them a deserved compliment, but giving public recognition to a condition created by the earnest and untiring efforts of the teachers themselves.

My labors during the past year have been employed primarily to produce these results, that is, in presenting to the teachers definite plans for instruction and study, and indicating the kind and minimum amount of work to be done in the primary grades. In different schools classes of the same grade differ materially in advantages for instruction and ability to acquire it. In the same school in different years often the same difference occurs. For this reason, it cannot be expected that the same amount of work can be accomplished in the same grade at all times and in all the schools. The work assigned, by the course of study, to the primary grades is, therefore, to be considered as merely the minimum amount necessary to be acquired for promotion from grade to grade. Teachers are not expected to confine pupils to this minimum, but should make such further advancement as the conditions and advantages of each class may demand. Uniformity of advancement in intellectual condition is not expected, nor is it desirable even could it be accomplished. The aim of the teacher should be to stimulate and encourage each pupil to make, at all times, greater effort towards intellectual progress. This difference in condition and aptitude should constantly inspire the teacher to call forth her best judgment and tact in order, not to make one pupil equal to another,

but to make of each pupil the best opportunity for manly development that, from his nature, his capabilities and his environment, can be made of him. She should remember that her failure to do this will as assuredly produce bad results as any lack of preliminary qualifications or incapacity on the part of the pupil. The teacher's intellectual deficiency is to be less deplored than either her unwillingness or her inability to inspire the pupil with a desire to be benefited in this direction by their mutual association in the class-room. The former defect may be remedied by industry and earnest effort. The latter, being the result of evil habit and lack of character, is rarely, if ever, changed for the better, and never fails to produce a baneful influence upon the pupil's life and future career. This distinction clearly marks a teacher's standing. Nothing can conceal it. The most casual observer, on entering a class-room, can detect it in the manner and form of the teacher's work, in the appearance and conversation of the pupils, and even in the condition and order of the room. These are some of the most important means by which a teacher's professional rating is estimated. Instead of relying upon the results of stated written class examinations, opinions of a teacher's character and ability are formed through daily intercourse with her at work with her pupils. The impressions acquired through a half day's observation of intellectual labor overrides any estimate of a teacher that can be acquired through the results of a written examination, whether good or

bad. It is here that some principals fail to apprehend clearly their duty to the teachers and pupils of their school. Confining their attention exclusively to their own class, except in the merely disciplinary arrangements of the school, the condition of the classes and the methods of teaching pursued by their assistants are as a sealed book to them. Young and inexperienced teachers are sometimes left to float, as it were, upon a sea of uncertainty, neither knowing in what direction they are going, nor whether, if ever, a safe and commodious harbor will be their ultimate destination. Supervision of a teacher's work and methods is part of a principal's work, and she who neglects it, for any reason whatever, is simply neglecting one of the most important duties of her position.

On this line I have been working during the past year, and I feel that my efforts to inspire teachers with purer motives for professional labor have not been entirely abortive. Much has been accomplished, but I am conscious that, with the regular yearly influx of new material, there remains much more to be done. So long as the board does not absolutely require professional training as a requisite for employment, so long must this training be acquired through the practical experience of the school-room, and that at the expense of the pupils' advancement. My opinion on this subject has been freely and honestly expressed in previous communications to yourself and in private conversations with members of the board. I can now only reiterate that opinion, when I say that a training

school for teachers is an absolute necessity, in order to obtain a more perfect development of our school service.

In my last report I stated that a continuance of the rule admitting such pupils as are under six years of age is, to my mind, detrimental to their proper development as well as injurious to the schools. Each year, as it passes, convinces me of the correctness of this statement, and that this rule should be repealed. Not five per cent. of these pupils receive in one year's time any permanent advantage. An investigation shows that nearly all of them remain two years in the first grade; therefore, by postponing their admission for one year their progress would not be retarded, and their intellectual condition would be greatly improved. In nearly every case their advancement through the school, even in the higher grades, is slow and decidedly unsatisfactory. This may be accounted for on the theory that some of the methods of instruction in the primary schools are not adapted to the condition of children of such tender age. Be this as it may, the fact is that, instead of intellectual advancement, bad habits are formed, which, following them through their entire school course, increase in intensity as they grow in years, and finally, in many instances, culminate into a character totally unfit to claim the rights of true citizenship.

But what shall be done with these children? Parents clamor to have them admitted to the public school.

Especially is this the case with such as are compelled by stress of circumstances to spend the day in toil in order to obtain means for subsistence. These will take no refusal, and resort to every subterfuge to gain admission for their children to the beginners' grade. The sole idea in their mind is, not their educational advantage, but the care of their little ones for the time being. But may we not take advantage of this circumstance to educate them? Ought we not? Nay, is it not as much our duty to rescue these from the vicious influence of the streets and alleys of our city as to educate the children of more favored parents? But how, if they should not be admitted to the primary school? My answer is, establish the kindergarten. This subject has been presented to you in previous reports, and by yourself, with unanswerable arguments, recommended favorably to the board. It is, therefore, unnecessary at this time to enlarge upon the subject. Quite a number of the large cities have adopted the system in connection with the public schools, and the results, so far, have been even more favorable than at first anticipated. St. Louis, in 1884, admitted into her public school system the kindergartens previously supported by private donations, and to-day the number has increased to 39, with an average attendance of 6,508. Philadelphia has in successful operation 38, Milwaukee 22, and Boston 22. In all, about fifty cities have established the free kindergarten system in connection with the public school work.

The rules of the board require that the schools shall be governed, as far as possible, without corporal punishment, and that, when it is inflicted, it must be done only by the principal or acting principal. We have made great progress in this matter, and it is a subject for congratulation that, under the humane and reasonable methods of discipline now so generally practiced by the teachers, so few cases arise in which it is necessary to use the rod. While this is true, there are some practices occasionally committed by a few which are as equally to be condemned, not only as infractions of the rules of the board, but as violative of correct principles of school government. The infliction of corporal punishment for intellectual failings and slight offenses of disorder, the detention after school hours of a whole class because of the offense of a few, the detention of pupils beyond the time allowed by the rules, and the requiring of pupils to prepare tasks at home as a punishment for an offense committed at school, may be given as illustrations.

Corporal punishment—and I include in this term, tapping on the head or hands with a rattan, ruler or hand, and the pulling of the ears or nose, and similar undignified means of punishment, which *under no circumstances* will a teacher of refinement inflict—should be administered only for offences involving moral disgrace and criminal practices; and in order to prevent an ordinary violation of the rules, other means more in consonance with a teacher's profession and dignity should be resorted to.

The innocent under no circumstance should be subjected to punishment in order to detect the guilty. The teacher's faculties of observation should be at all times under such thorough control as not to be placed in the position of acting unjustly toward even one innocent member of her class. "Rather ninety-nine guilty escape than one innocent be punished" is a good rule for a teacher's guidance.

The rules positively forbid the detention of pupils after the morning session, and allow only one-half hour after the afternoon session. This rule, I find, is more frequently violated than any other. It results from a desire on the part of teachers to repair the deficiencies of pupils occasioned by absence from school on account of sickness and other causes. The board is responsible for this rule, and teachers should strictly conform to it.

In the primary grades, pupils cannot be *required* to prepare tasks of any kind at home, and it is very evident that this requirement for an offence committed at school is a violation of the rules.

I mention this matter in this report for the reason that in some instances private admonition and advice have had no effect.

During the past year, five new buildings have been erected for the use of primary schools. Three of these, Nos. 13, 24 and 31, were to replace old buildings, and consequently have given us but slightly increased ac-

commodations. Nos. 32 and 33 are now occupied by newly organized schools. No. 20 has been entirely remodeled, and is now, with the exception of four rooms, occupied by the primary department, affording ample accommodations for about 1200 pupils. These improvements give in the aggregate additional accommodations for about 2,000 primary grade pupils, the greater number of whom had during the year previous been accommodated in annexes rented for that purpose. Nos. 17 and 28, which had been for some time past very much overcrowded, are now by the organization of No. 33, thoroughly relieved, and have ample accommodations for the pupils belonging to those schools. No. 6, which is at present very much overcrowded, will, it is expected, be relieved during the coming year by the erection of a new building for No. 25, now located on south Caroline street.

Nos. 12 and 22 have quite a number of pupils over and above the seating capacity of their respective buildings, each being supplemented by an annex. No. 27 is very much overcrowded, but the surplus can be accommodated in No. 13, about five squares distant, by a proper distribution of the pupils. I wish to renew my recommendation concerning No. 23, made in my report to you last year. This is a large and prosperous school, situated in a thickly settled neighborhood, and requires only good sanitary conditions to make it one of the best in the city.

During the past year much has been said about the overcrowded condition of the schools. While the statement was somewhat exaggerated, yet it is true that since last September, many of our primary schools have been very uncomfortably overcrowded, especially during the months of October and November. At the close of the year the number of sittings in the primary schools proper was 19,592, the number of pupils on roll 19,738. Included in the number of sittings, is the number supplied by the completion of the new buildings, Nos. 31 and 33, the former occupied on January 5th, 1891, and the latter, November, 1890. This number is 1,264, now occupied by 904 pupils on the rolls of the two schools. In the older parts of the city, the number of sittings is somewhat in excess of the enrolled number of pupils of the schools, while in the newer parts the number of enrolled pupils is to a greater extent in excess of the seating capacity. This condition will continue to exist and grow even more embarrassing as the population of the city increases. The central portions of the city are more and more given up to business interests, and the population now living in these central portions are moving into those sections now embarrassed by reason of the lack of sufficient school facilities. This, with the natural growth of the city, makes it necessary that the Mayor and City Council should continue to provide new buildings, not only for the present necessities, but for the future growth of the city's population.

I herewith submit for your consideration a statement containing the results of the annual examination of the Third Grade pupils in June last: The number on roll at the time of the examination was 5,966; the number examined, 5,448; the number passed, 3,356; the number promoted, 4,442. Of the number examined 81 per cent. were promoted, and, of the number on roll, 74 per cent.

Of the total increase in the school population last year, nearly one-half, or 1,010, were found in the primary schools proper. This is an evidence of the growing popularity of that part of our public school system, and should inspire every friend of popular education with increased zeal and energy, in order to promote the cause of educational efficiency in the city of Baltimore.

My congratulations are due to the members of the board for the eminently successful management of the schools in their charge. From them and the officers I have received only courtesy and kindness. In the discharge of my official duty, manifestations of respect and good will have been universally shown me by the teachers and members of the board. For this my thanks are due to all, and are hereby officially acknowledged.

JOHN E. McCAHAN,

Assistant Superintendent.

REPORT

OF THE

Superintendent of Supplies.

BALTIMORE, December 31st, 1890.

To the Board of Commissioners
of Public Schools.

GENTLEMEN:

Your attention is invited to the fifth annual report of this office.

The year 1890 may well be classed as a red letter year in the history of the schools of Baltimore, for in it eleven new school houses were completed and furnished, in whole or in part, as follows: Manual Training School, Courtland street, near Saratoga; Primary No. 24, Lancaster and Patuxent streets; Primary No. 13, Patterson Park avenue and McElderry street; Grammar No. 8, Hollins and Monroe streets; Grammar No. 20, Eden and Federal streets; Annex Nos. 4 and 6, Chestnut and Fourth avenues, Hampden; English-German No. 5, Lexington street, near Fremont; Primary No. 32, Guilford avenue and Lanvale street;

Primary No. 33, Light and Clement streets; Annex No. 34, Huntingdon avenue, near Charles street, and Primary No. 31, Schroeder and Pierce streets.

They were all, except the Manual Training School and Annex No. 34, supplied with the Smead system of heating and ventilation, the experience so far had having demonstrated to the Inspector of Buildings the wisdom of the course. Thus is this department saved a large expense for heating apparatus, and care about the ventilation and closets. The more I see the practical working of the system, the more am I impressed with it as a means of securing abundance of heat, absolute ventilation and cleanly disposition of offal, whilst not encumbering the play grounds, and at no greater expense for fuel than old methods of heating only, whereever the simple directions are observed by those in charge. This judgment was strengthened by a series of tests I made a few days ago, in which I found that the average time required for the scent of an oil to travel through the fresh air ducts, the class-rooms and byway of the ventilators to the foul air chamber, was forty-five seconds, and that the foul air passed through the ventilators in sufficient volume to constantly and rapidly change the air. In this connection I desire to renew my recommendation that the Smead system of dry closets be placed in Primary School No. 23, and would respectfully refer to page 109 of report of 1889 for the reason therefor.

All but one of these houses were occupied during the year. Manual Training School, in April; Primary No. 24, in April; Primary No. 13, Grammar No. 8, Grammar No. 20, Annex No. 4, English-German No. 5 and Primary No. 32, at the opening in September; Primary No. 33, in November; Annex No. 34, in December, and Primary No. 31 is ready for occupancy at the opening in January.

Besides the above, the house on the corner of Eden and Preston streets, formerly occupied by Grammar and Primary Schools No. 20, was completely remodeled, and so altered as to relieve us all of the apprehensions felt respecting the ease of egress, besides making the possibilities of successful school work more assured.

Notwithstanding the great tax upon the contractors and workmen, incident to the furnishing of so many buildings at necessarily short notice, the schools opened promptly. A notable case is that of Primary No. 20, where our workmen were allowed to begin work on the fourth day before the time for opening, and even then were hampered until Saturday afternoon by the workmen engaged upon the building.

At the risk of being extra-official I take the liberty to express my regret that the buildings are not larger. Whilst being truly thankful for the opportunity to rid the system of so many branches, and thankful for the present good, it seems that it would be wise to erect larger school houses or more of them. To illustrate:

Four classes of Primary School No. 24 had to be placed in the old building, at considerable expense to render the building habitable. Four classes of Grammar School No. 20 have been located in Primary School No. 20, several blocks away. Notwithstanding the fact that the erection of new Grammar No. 8 allowed the use of its old buildings as branches of Grammar No. 8 and Primary No. 30, all three buildings will be overcrowded in the near future unless another school is located near that locality. Annex Nos. 4 and 6 will be overcrowded in the near future. English-German No. 5 barely accommodates the number of pupils now on roll. At this writing one of the departments of Primary School No. 32 has seven full classes with accommodations for six, and the other department has six classes.

Of the new houses the following were furnished with old pupils' desks and rear seats, after they had been thoroughly renovated: Annex Nos. 4 and 6, Annex No. 34 and Grammar No. 8. In the last named, two rooms were furnished with new desks. The stock on hand was not large enough to furnish any more old desks, consequently new furniture was purchased for all the other buildings. All the houses were completely furnished except Annex Nos. 4 and 6 and Annex No. 34, in which cases, in consequence of the insufficiency of appropriations, their shades, carpets, teachers' desks, chairs, &c., could not be furnished. Those articles will be supplied during January, 1891.

The new building of the Manual Training School was completely furnished. The assembly room was supplied with opera chairs and otherwise so arranged as to allow its use for commencements and other special exercises. A large number of changes were also made in the old building, of which I presume the report of the principal will treat more fully.

Rented houses occupied as branches by the following named schools were surrendered upon the completion of the new buildings: Manual Training School, No. 406 Courtland street; Male Grammar No. 8, and Primary No. 30, 1718 Frederick avenue; Female Grammar No. 19, 1019 Park avenue (*a*); Female Grammar No. 20, 1122 Harford avenue; Male Primary No. 20, 1127 Harford avenue; Female Primary No. 20, 1122 Harford avenue; Primary No. 24, Hudson and Patuxent streets; Primary No. 28, 1411 William street (*b*); Male Primary No. 30, Baltimore and Monroe streets; Female Primary No. 30, 1707 Hollins street; Annex No. 3, Huntingdon and Maryland avenues (*c*); Annex No. 3, Nos. 14 and 16 West First street (*c*).

Besides the above, the house occupied by Annex No. 4, Chestnut and Second avenues, was surrendered upon the completion of its new house, and that occupied by

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a. The erection of Primary No. 32, and the consequent transfer of some scholars from Primary No. 19, allowed more room for the Grammar departments.

b. Due to the completion of No. 33.

c. Due to the completion of No. 34.

Male Colored No. 1 (345 Courtland street), was surrendered when the school was removed to the Saratoga street building. In every case considerable repairs were necessary to restore the buildings to the condition required by the agreement. In most cases those repairs were made under the direction of this office, and in a few where the demands were very large, compromises were effected by the payment of lump sums.

If any further argument against renting houses as branches of schools were necessary, it could be found in the fact that property owners will not rent their property for school purposes, except at high rates, and with the expectation that the board will restore it to good condition.

The erection of the new houses for Primary No. 13, and English-German No. 5, enabled the board to establish in their old houses, branches of the Colored Grammar school, thereby accomplishing two very desirable results, namely: the extension of grammar school facilities to colored children who live far to the east or west of the building on Saratoga street, and the providing of good accommodations in the Saratoga street building for Male Colored School No. 1, resulting in the surrender of the rented house.

During the fall, portions of houses were rented for branches of Annex No. 2 and Annex Colored No. 1, both at Waverly. Besides, owing to the continuous large increase of scholars, a large number of ad-

ditional desks were crowded into several of the schools, and arrangements were made for colonization of classes as follows: Some classes of English-German No. 4 in Primary No. 5 and Grammar No. 11; Grammar No. 20 in Primary No. 20; Primary No. 12 in Grammar No. 12; Colored No. 7 in High and Grammar Colored No. 3; Colored No. 8 in High and Grammar Colored No. 2. In all cases old desks, renovated, were used.

In addition to the uses of renovated furniture before mentioned, some desks were supplied to take the place of desks which were utterly unfit for use, and a small number is now on hand as a nucleus for the supply of some to take the place of old desks whose pattern and character is such as to cause unceasing expense and dissatisfaction.

All the buildings except the Manual Training School and Annex No. 34 were supplied with slate blackboards in the walls, at a cost no greater than the unsatisfactory swinging boards, (slate or slated wood).

I am gratified that we were able to lay in a larger supply of fuel during the summer than usual. Indeed were it not for the evident necessity for saving in order to prevent a deficiency in salaries, a full supply would have been stored. As it is, a quantity will have to be purchased during the early months of 1891, but not quite so much as usual.

It is also gratifying to report, that, thanks to the intestates' estate fund, it was possible to more closely

approximate the needs of the annex schools, but still a large number of things await attention, and will have to be provided for in 1891.

During the summer the usual whitewashing and cleaning of all the schools was done. The following were painted or calcimined in part: Baltimore City College, Grammar No. 11, Primary Nos. 8, 11 and 23. I trust that they will be completed in 1891, and that the policy thereafter will be to complete one or more buildings at a time.

The work of painting letters on the doors of all the rooms at the school houses has just been completed, and I have before me three notes which indicate an incidental benefit of the system. They read: Please, repair desks in room "A," &c. Information of this character will enable this office to locate the work desired during the absence of the teacher, and encourage promptness and accuracy. Besides it will allow for the tabulation of the seating capacity of the respective rooms. As soon as this office can be freed from some of its pressing matters, a statement will be submitted to you, showing the number of seats now in each room used for scholars. In many cases the number is largely beyond the usual allowance of floor and air space for pupils, but I shall report only the actual condition for affairs.

The quantities of furniture purchased during the year are: No. 1 desks, 478; No. 1 rear seats, 97. No. 2

desks, 1,345; No. 2 rear seats, 207. No. 3 desks, 1,010; No. 3 rear seats, 144; Principals' desks, 21; Assistants' desks, 115; chairs, 618; large book cases, 22; small book cases, 164; slate boards, 60; slate boards in wall, about 12,000 square feet; clocks, 30; wardrobes, 21; umbrella stands, 94; wash stands 22; tables, 21; stoves, 10; screens, 26. Besides shades, carpets, gongs, electric bells, &c. There were 2,330 desks and 352 rear seats renovated.

Your attention is invited to the accompanying inventory of furniture, &c., on hand, the valuation being generally based upon two-thirds of its cost.

In an office of this kind, where so many matters of detail (large and small) require attention, and where the work is divided among many individuals, errors of omission will occur even when every effort to prevent them has been made. In all such cases you have been considerate and kind, and merit what I so heartily tender, my sincere thanks, not only for that consideration, but for the uniform courtesy in your treatment of me.

I desire also to tender to the officers of the board, the teachers and employees, my grateful acknowledgments for the services rendered this office in the performance of its work.

Very respectfully,

C. W. KEIDEL,

Superintendent of Supplies.

INVENTORY OF FURNITURE, HEATING APPARATUS, &C., IN THE SCHOOLS, DECEMBER 31, 1890.

In several cases, branches of schools are located in other school houses. The furniture used by such branches is stated as a part of the furniture of the schools in which such branches are located.

SCHOOLS.	Pupils' Desks.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Book Cases.		Black Boards.	Clocks.	Organs.	Pianos.	Wardrob's	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
						Large	Small												
Baltimore City College	593	56	78	16	130	19	1	16	13	1	....	1	....	...	8	4	....	....	$6,840 00
East. Fem. High School	331	25	84	24	125	7	.....	22	3	....	2	....	....	....	12	4	2	2	4,946 00
West. Fem. High School	418	32	159	15	115	14	7	32	2	1	1	....	....	....	9	5	1	2	4,715 00
Manual Train'g School	256	46	....	12	954	14	.....	wall	13	1	....	....	....	....	16	2	....	....	5,356 00
Totals, H. and M. Tr.	1598	159	321	67	1424	54	8	70	31	3	3	1	....	....	45	15	3	4	$21,857 00
Male Grammar No. 1..	260	39	....	10	30	1	6	22	2	1	....	1	....	....	....	6	1	2	$2,018 00
" " " 2..	447	42	....	10	30	1	10	wall	2	1	....	1	....	1	1	Smead	1	1	2,175 00
" " " 3..	124	20	2	7	19	.....	9	16	1	1	....	2	....	....	1	6	1	1	1,646 00
" " " 4..	180	29	2	7	19	1	7	23	1	1	....	2	1	1	2	....	8	14	1,195 00
" " " 5..	173	26	....	7	18	3	6	16	2	1	....	....	....	1	1	....	8	12	1,187 00
" " " 6..	197	32	2	9	16	1	7	17	1	1	....	....	4	....	....	5	....	....	1,619 00
" " " 7..	152	24	....	6	18	1	7	19	1	1	....	....	....	1	1	5	1	2	1,675 00
" " " 8..	248	46	2	10	40	2	14	wall	2	1	....	2	3	3	1	Smead	1	....	2,380 00
" G. and P. " 9..	125	14	3	10	18	1	7	20	2	1	....	....	....	....	....	....	7	7	583 00
" Grammar " 10..	186	28	1	8	22	2	9	26	2	1	....	1	....	1	1	....	8	16	1,306 00
" " " 11..	188	32	....	8	24	2	7	13	1	1	....	1	....	1	1	5	1	2	1,826 00
" " " 12..	226	31	....	9	14	1	6	17	1	1	....	2	1	....	1	5	1	2	1,827 50
" " " 13..	161	29	10	8	20	3	4	18	1	1	....	1	....	1	....	....	7	11	1,063 50
" " " 15..	421	63	....	16	36	12	1	48	2	2	....	....	2	....	....	5	....	....	2,817 50
" " " 17..	139	20	....	8	26	2	5	16	1	1	....	1	....	1	....	....	7	12	967 50
" " " 18..	163	28	3	8	19	2	4	23	1	1	....	1	1	1	1	4	2	3	1,606 00
" " " 19..	162	20	....	7	19	2	2	13	2	1	....	1	1	....	....	....	6	10	976 00
" " " 20..	200	32	....	8	30	2	8	wall	1	1	....	1	2	1	1	Smead	1	....	2,056 00
" " " 21..	224	40	....	9	23	1	6	17	1	1	....	1	....	....	....	....	10	18	1,465 00
Totals, Male Gram..	3976	595	25	165	441	40	125	324	27	20	....	18	15	13	12	41	71	113	$30,389 00

SCHOOLS.	Pupils' Desks.	Rear Seats	Settees.	Teachers' Desks.	Chairs.	Book Cases. Large	Book Cases. Small.	Black Boards.	Clocks.	Organs.	Pianos.	Wardrob's	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation
Fem. Gram. No. 1	248	40	38	10	26	3	5	36	1	....	1	1	....	1	1	6	....	....	$2,532 00
" " " 2	437	42	....	10	30	1	10	wall	1	1	....	1	....	1	1	a	1	1	2,120 00
" " " 3	136	19	....	6	17	2	7	17	1	1	....	....	....	....	1	a	1	1	728 00
" " " 4	167	26	15	7	24	2	7	17	1	1	1	1	2	1	2	....	8	16	1,455 00
" " " 5	156	25	4	8	15	2	6	19	1	1	....	....	....	1	....	....	7	9	1,027 50
" " " 6	222	30	12	7	26	2	6	24	1	...	1	1	4	....	1	a	....	....	1,298 00
" " " 7	152	24	....	6	24	1	5	24	1	1	....	1	....	1	1	a	....	....	916 00
" " " 8	248	46	8	10	40	2	14	wall	1	1	....	1	2	1	1	a	....	....	2,380 00
" G. & P. " 9	87	10	....	6	8	2	1	10	1	1	....	....	1	....	....	....	7	12	555 00
" Gram. " 10	175	29	3	7	15	3	4	22	3	1	....	1	2	....	1	....	7	14	1,260 00
" " " 11	192	28	....	7	26	2	7	16	2	1	...	4	....	1	1	a	1	1	1,143 00
" " " 12	219	28	5	9	30	1	6	19	1	1	....	1	2	....	1	a	1	....	1,165 00
" " " 13	174	32	7	7	24	2	7	22	1	1	....	1	....	....	....	....	7	12	1,162 00
" " " 15	303	42	....	11	35	2	10	14	2	....	1	2	....	2	....	4	2	2	2,518 75
" " " 16	251	38	....	9	25	2	7	20	1	2	....	1	1	1	2	4	1	2	1,896 00
" " " 17	170	30	....	9	24	1	7	17	1	1	....	1	....	1	....	....	8	12	1,085 00
" " " 18	162	27	11	8	22	1	2	18	1	1	....	1	1	....	1	a	....	...	871 50
" " " 19	142	20	....	5	16	1	4	12	1	....	1	....	....	....	...	....	5	10	1,061 00
" " " 20	200	32	....	8	30	2	8	wall	1	1	....	1	2	1	1	Smead	1	....	2,056 00
" " " 21	254	41	....	10	19	1	7	20	1	1	....	1	1	1	1	....	9	16	1,564 75
Totals, F. Gram.	4095	609	103	160	476	35	130	327	24	17	5	20	18	13	16	14	66	108	$28,794 50
Eng.-Ger. No. 1...	343	42	2	13	25	7	1	28	2	2	....	....	....	....	....	....	13	15	1,928 00
" " 2...	535	72	....	20	43	.....	16	44	2	2	....	4	....	2	3	6	2	2	3,593 00
" " 3...	477	68	....	20	38	2	15	36	2	2	....	2	....	...	2	2	2	1	3,374 00
" " 4...	557	67	....	19	49	.....	16	38	2	2	....	4	1	2	2	6	2	2	3,460 00
" " 5...	400	64	....	18	50	1	15	wall	2	1	....	2	2	2	2	Smead	1	....	3,750 00
Totals, Eng.-Ger.	2312	313	2	90	205	10	63	146	10	9	....	12	3	6	9	14	20	20	$16,105 00

INVENTORY OF FURNITURE, HEATING APPARATUS, &c.--Continued.

SCHOOLS.	Pupils' Desks.	Rear Seats	Settees.	Teachers' Desks.	Chairs.	Book Cases. Large	Book Cases. Small.	Black Boards.	Clocks.	Organs.	Pianos.	Wardrobes.	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation
Male Prim. No. 1.	298	52	2	12	28	.....	9	23	1	1	....	1	....	....	....	a	....	....	$2,016 00
" " 2.	116	18	2	7	18	1	5	16	1	1	....	....	....	....	....	....	5	9	783 00
" " 3.	142	27	....	6	17	1	7	15	1	1	....	2	....	1	....	a	1	1	794 00
" " 4.	147	24	5	6	12	3	5	20	1	1	....	....	....	1	2	....	6	12	1,026 00
" " 5.	235	33	3	6	20	2	7	26	1	1	....	....	1	1	....	6	....	....	2,068 00
" " 6.	212	36	....	9	28	1	7	28	1	1	....	2	2	....	1	....	10	16	1,515 00
" " 7.	121	24	....	6	24	1	5	14	1	1	....	1	1	....	....	2	3	6	996 00
" " 8.	202	38	....	8	26	1	6	8	1	1	....	1	....	....	....	....	9	17	1,216 00
" " 10.	127	21	2	7	18	2	3	22	1	1	....	....	....	....	....	....	6	9	935 00
" " 11.	292	38	....	10	28	2	8	10	2	1	....	1	....	....	2	6	1	2	2,876 00
" " 12.	187	33	....	7	18	3	7	22	1	1	....	1	....	1	2	....	7	8	1,136 00
" " 13.	172	26	....	6	30	1	5	wall	1	1	....	1	2	1	1	Smead	1	....	1,635 00
" " 14.	179	27	....	8	28	.....	6	18	1	1	....	2	1	....	1	5	....	....	1,753 00
" " 15.	199	20	....	9	24	1	6	18	1	1	1	....	....	1	....	....	9	10	1,350 00
" " 16.	196	27	5	6	20	1	4	19	1	1	....	1	....	....	1	....	5	....	1,835 00
" " 17.	161	33	....	6	14	1	2	18	1	1	....	1	1	....	1	....	8	14	983 00
" " 18.	159	26	....	6	16	1	2	15	1	1	....	1	1	....	1	....	7	14	983 00
M.&F. Prim. " 19.	145	22	....	7	18	2	5	16	1	1	....	....	1	....	....	....	5	5	862 00
Male Prim. " 20.	375	52	....	17	29	2	11	46	2	1	....	1	1	1	1	....	16	34	2,120 00
" " 21.	184	31	....	5	11	2	4	16	1	1	....	1	1	1	1	....	7	10	1,095 00
" " 22.	245	38	11	9	24	1	8	24	1	1	....	....	....	1	....	....	9	14	1,185 00
" " 23.	194	26	....	6	19	1	5	8	1	1	....	1	....	....	1	4	1	2	1,906 00
" " 24.	252	40	....	9	36	2	8	wall	1	1	....	1	2	1	1	Smead	1	....	2,085 00
" " 25.	129	21	....	8	14	1	2	14	1	1	....	1	....	1	1	....	5	6	810 00
" " 26.	119	20	4	7	11	1	4	14	1	1	....	....	....	....	....	....	5	6	760 00
" " 27.	185	30	....	7	18	1	6	26	1	1	....	....	....	1	....	....	8	14	1,205 00
" " 28.	151	24	....	6	18	1	6	19	1	1	....	1	....	1	1	....	6	12	1,055 00
" " 29.	196	24	....	6	18	1	6	10	1	1	....	1	....	1	1	4	1	1	1,932 00
" " 30.	293	46	....	10	24	2	6	25	4	1	....	1	....	2	2	4	1	4	2,185 00
" " 31.	122	18	....	6	9	1	4	13	1	1	....	1	....	....	....	....	6	10	765 00
" " 32.	168	24	....	6	24	1	5	wall	1	1	....	1	1	1	1	Smead	1	1	1,625 00
" " 33.	168	24	....	6	24	1	5	wall	1	1	....	1	1	1	1	Smead	1	1	1,625 00
Totals, Male Prim.	6071	943	34	240	666	42	179	523	37	32	1	26	16	18	23	31	151	238	$45,115 00

SCHOOLS.	Pupils' Desks.	Rear Seats	Settees.	Teachers' Desks.	Chairs.	Book Cases. Large	Book Cases. Small.	Black Boards.	Clocks.	Organs.	Pianos.	Wardrobes.	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation
Fem. Prim. No. 1.	267	38	49	14	27	2	8	43	2	1	....	....	....	....	....	b	1	1	$1,496 75
" " 2.	113	18	....	5	20	2	4	16	1	1	....	....	1	1	1	....	5	10	775 00
" " 3.	137	20	2	6	18	2	8	18	1	1	....	1	1	1	1	a	1	1	795 00
" " 4.	130	22	6	6	18	1	4	13	1	1	....	1	....	1	....	....	6	12	850 00
" " 5.	246	40	2	9	18	1	6	20	1	1	....	1	1	....	....	c	1	....	1,285 00
" " 6.	231	33	....	7	20	1	10	18	1	1	....	1	1	....	1	....	8	14	1,309 00
" " 7.	93	6	....	5	13	.....	5	10	1	1	....	2	1	....	....	c	2	4	591 00
" " 8.	182	35	....	7	24	1	6	7	1	1	....	1	....	....	....	....	8	15	1,093 00
" " 10.	120	18	....	7	18	2	4	20	2	1	....	....	....	....	....	....	5	9	832 00
" " 11.	285	40	....	10	30	2	9	14	2	1	....	1	....	....	1	c	1	1	2,420 00
" " 12.	187	33	2	8	20	1	6	28	1	1	....	1	....	....	....	....	9	9	1,326 00
" " 13.	172	26	....	6	30	1	5	wall	1	1	....	1	2	1	1	c	1	....	1,635 00
" " 14.	154	24	....	6	20	.....	7	18	1	1	....	2	2	1	1	c	1	1	875 00
" " 15.	207	33	3	10	23	2	6	23	2	1	....	....	....	1	1	....	9	14	1,325 00
" " 16.	168	27	....	6	20	1	5	16	1	1	....	1	1	....	1	c	....	....	920 00
" " 17.	180	28	....	7	24	1	6	24	1	1	....	1	1	1	1	....	7	14	1,150 00
" " 18.	150	22	....	6	16	1	2	14	1	1	....	1	1	1	1	....	6	10	819 00
" " 20.	375	52	....	17	29	2	11	46	2	1	....	1	1	1	1	....	16	34	2,120 00
" " 21.	177	31	....	6	12	1	3	19	1	1	....	1	....	....	1	....	7	14	1,085 00
" " 22.	162	30	11	6	12	1	6	19	1	1	....	....	....	....	....	....	8	7	1,044 00
" " 23.	208	26	....	6	19	1	5	10	1	1	....	1	....	....	1	c	1	1	1,285 00
" " 24.	252	38	....	9	36	2	8	wall	1	1	....	1	2	1	1	c	....	....	2,075 00
" " 25.	125	18	....	5	13	1	.....	14	1	1	....	1	2	....	1	....	5	10	776 50
" " 26.	140	30	....	5	12	1	3	15	2	1	....	....	....	1	....	....	5	10	853 00
" " 27.	187	31	....	10	28	1	5	19	2	1	....	....	1	....	1	....	7	14	1,096 00
" " 28.	137	27	....	7	17	2	7	21	1	1	....	1	....	1	1	....	7	14	960 00
" " 29.	188	24	....	6	20	1	6	6	1	1	....	1	....	1	1	c	1	1	1,160 00
" " 30.	286	46	....	10	17	1	6	24	2	1	....	....	2	1	1	c	1	2	1,385 00
" " 31.	100	18	....	9	13	1	5	10	1	1	....	1	1	....	....	....	6	7	787 50
" " 32.	168	24	....	6	24	1	5	wall	1	1	....	1	1	1	1	c	....	....	1,625 00
" " 33.	168	24	....	6	24	1	5	wall	1	1	....	1	1	1	1	c	....	....	1,625 00
Totals, Fem. Prim.	5695	882	75	233	635	38	176	505	39	31	....	25	23	16	21	....	135	229	$37,373 75

INVENTORY OF FURNITURE, HEATING APPARATUS, &c.—Continued.

SCHOOLS.	Pupils' Desks.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Book Cases. Large	Book Cases. Small	Black Boards.	Clocks.	Organs.	Pianos.	Wardrobes.	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
H. & G. Col'd No. 1	370	64	....	14	48	2	13	42	1	1	....	2	....	1	2	d	....	....	$2,850 00
" " " 2	200	36	....	6	18	2	5	14	2	1	....	1	....	....	1	....	10	18	1,260 00
" " " 3	275	38	....	11	30	6	8	26	2	....	....	....	....	....	1	....	17	20	1,780 00
Male Col'd No. 1	100	16	....	4	16	1	4	12	1	1	....	1	....	....	1	6	1	1	685 00
" " " 2	161	30	...	7	12	1	6	20	1	1	....	....	....	1	....	....	6	10	1,010 00
" " " 3	197	28	....	9	18	1	6	26	1	1	....	....	....	1	....	....	9	14	1,204 00
" " " 4	188	24	....	6	18	2	6	13	2	1	....	....	....	....	....	....	6	10	987 00
" " " 5	162	25	....	9	18	2	3	15	3	1	....	....	....	....	....	....	6	10	980 00
" " " 6	141	24	9	6	16	9	2	15	1	1	....	....	....	....	....	....	6	9	946 00
" " " 7	256	39	....	10	30	1	9	28	1	1	....	1	4	1	1	6	1	2	2,238 50
" " " 8	103	17	....	6	15	2	3	14	1	1	....	....	....	....	....	2	1	1	826 00
" " " 9	150	23	....	6	20	1	.....	wall	1	....	....	1	2	1	1	4	1	2	1,406 50
Fem. " " 1	150	24	....	6	24	.....	6	18	1	1	....	1	....	....	....	d	....	....	956 00
" " " 2	174	26	....	7	19	2	6	16	1	1	....	1	....	....	....	....	6	11	1,086 00
" " " 3	204	32	....	10	12	1	6	26	1	1	....	....	....	2	....	....	9	16	1,287 00
" " " 4	166	19	4	8	10	1	4	16	1	1	....	....	....	....	....	....	6	10	945 00
" " " 6	152	23	11	7	10	.....	.....	16	1	1	....	....	....	....	....	....	7	8	1,316 00
" " " 7	268	37	....	12	28	1	11	31	1	1	....	2	1	1	2	d	2	2	1,369 00
" " " 8	105	15	....	5	8	1	4	13	1	1	....	1	....	....	....	d	3	3	594 50
" " " 9	153	23	....	6	20	1	.....	wall	1	....	....	1	2	1	1	d	1	2	806 50
Totals, Colored...	3675	563	24	155	390	37	102	361	25	17	....	12	9	9	10	18	98	149	$24,533 00

INVENTORY OF FURNITURE, HEATING APPARATUS, &c.—Continued.

SCHOOLS.	Pupils' Desks.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Book Cases.		Black Boards.	Clocks.	Organs.	Pianos.	Wardrobes.	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
						Large	Small												
Annex No. 1.....	153	28	....	6	14	.....	4	wall	1	....	....	....	....	....	....	....	6	6	$628 00
" " 2.....	354	56	....	12	24	.....	2	14	1	....	....	....	....	2	....	....	12	18	1,625 00
" " 3.....	186	32	....	8	18	2	.....	6	1	....	....	....	1	....	1	....	8	16	1,050 00
" " 4.....	168	24	....	6	24	1	5	wall	1	....	....	1	1	1	1	8 mead	1	....	1,275 00
" " 5.....	117	16	....	5	7	.....	.....	10	....	....	....	....	....	....	....	....	4	8	628 00
" " 6.....	168	24	....	6	24	1	5	wall	1	....	....	1	1	1	1	8 mead	....	....	1,275 00
" " 7.....	228	32	....	8	12	2	.....	7	1	....	....	....	....	....	....	1	5	8	1,548 00
" " 8.....	178	26	....	6	9	1	.....	6	1	....	....	....	....	....	....	....	7	8	796 75
" " 9.....	130	18	....	6	13	.....	.....	3	1	....	....	....	....	....	....	....	4	8	577 25
" " 10.....	135	26	....	7	9	.....	.....	12	2	....	....	....	....	....	....	....	7	9	695 75
" " 11.....	120	20	....	5	5	.....	1	10	1	....	....	....	....	....	....	....	5	5	554 00
" " 12. ...	298	34	....	12	26	.....	.....	18	....	....	....	....	....	....	....	....	10	23	1,284 00
" " 13.....	130	13	....	5	11	1	5	13	1	....	....	1	....	1	1	....	1	....	638 25
" " 14.....	40	7	....	2	6	.....	2	4	....	....	....	....	....	....	....	....	2	4	286 00
" " 34, M.	150	30	....	6	20	1	5	12	1	....	....	1	1	1	1	4	....	....	1,424 00
" " 34, F..	150	60	....	6	20	1	5	12	1	....	....	1	1	1	1	c	1	1	1,436 00
" " 1, Col.	42	6	....	2	2	.....	1	4	1	....	....	....	....	....	....	....	2	3	207 00
" " 3, "	23	6	....	1	1	.....	.....	3	1	....	....	....	....	....	....	....	2	2	130 75
Totals, Annex..	2770	428	....	109	245	10	35	134	16	....	....	5	5	7	6	5	77	119	$16,058 75

a. Included in the Male Grammar Department.
b. " " Female " "
c. " " Male Primary "
d. " " Colored "
e. " " Annex "

Inventory of Furniture, Heating Apparatus, &c.

RECAPITULATION.

Schools.	Pupils' Desks.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Book Cases.		Black Boards.	Clocks.	Organs.	Pianos.	Wardrobes.	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
						Large	Small.												
Balto. City College.	593	56	78	16	130	19	1	16	13	1	..	1	....	....	8	4	....	....	$6,840 00
East. Fem. High...	331	25	84	24	125	7	.....	22	3	....	2	....	....	....	12	4	2	2	4,946 00
West. Fem. High..	418	32	159	15	115	14	7	32	2	1	1	....	....	....	9	5	1	2	4,715 00
Man'l Training ...	256	46	....	12	954	14	.....	wall	13	1	..	....	....	....	16	2	....	....	5,356 00
Male Grammar....	3,976	595	25	165	441	40	125	324	27	20	..	18	15	13	12	41	71	113	30,389 00
Fem. "	4,095	609	103	160	476	35	130	327	24	17	5	20	18	13	16	14	66	108	28,794 50
English-German...	2,312	313	2	90	205	10	63	146	10	9	..	12	3	6	9	14	20	20	16,105 00
Male Primary.....	6,071	943	34	240	666	42	179	523	37	32	1	26	16	18	23	31	151	238	45,115 00
Fem. "	5,695	882	75	233	635	38	176	505	39	31	..	25	23	16	21	....	135	229	37,373 75
Colored	3,675	563	24	155	390	37	102	361	25	17	..	12	9	9	10	18	98	149	24,533 00
	27,422	4064	584	1110	4137	256	783	2256	193	129	9	114	84	75	136	133	544	861	$204,167 25
Annex Schools...	2,770	428	....	109	245	10	35	134	16	....	..	5	5	7	6	5	77	119	16,058 75
Totals.....	30,192	4492	584	1219	4382	266	818	2390	209	129	9	119	89	82	142	138	621	980	$220,226 00

ANNUAL REPORT

— OF THE —

PRINCIPAL OF BALTIMORE CITY COLLEGE

— AND —

ACCOMPANYING PAPERS.

BALTIMORE CITY COLLEGE,

December 31st, 1890.

To the Board of Commissioners of Public Schools.

GENTLEMEN:

The following report of Baltimore City College for the year ending December 31st, 1890, is respectfully submitted:

Number of students on roll December 31, 1889..	420
Number admitted during 1890.....	209
Whole number on roll in 1890.....	629
Number of graduates, June, 1890.....	21
Number of undergraduates withdrawn during 1890	186
Number now on roll.....	422
Percentage of attendance.....	92.3

Since the last annual report a momentous occurrence in the history of the City College has been recorded. Dr. William Elliott, Jr., for seventeen years its principal, has passed from time to eternity. On June 2d, 1890, only a few hours after leaving the scene of his daily duties, he was seized with an illness that terminated fatally on July 1st, 1890. Thus ended a life that for nearly half a century had been earnestly devoted to the cause of popular education. At a meeting of the Faculty of Baltimore City College, held July 3d, the following preamble and resolutions introduced by Professor Charles F. Raddatz were adopted:

WHEREAS, in His inscrutable wisdom, it has pleased the Divine Dispenser of Life and Death to remove from our midst our brother and colleague, Dr. William Elliott, Jr.; therefore, be it

Resolved, That in the death of Dr. William Elliott, Jr., the public school system of Baltimore has lost a most faithful and successful educator, and the Baltimore City College a most useful and able principal.

Resolved, That in all the relations of his daily life he showed the native goodness of his heart, and that while kind and obliging, he ever discharged his duties with firm and unfaltering conscientiousness. That as a husband and father he was most tender and affectionate, and in his intercourse with the world of exemplary uprightness.

Resolved, That we extend to his bereaved family our sincere and heartfelt sorrow and condolence, and remind them that though he has passed through the valley of the shadow of death, for the just the future need possess no terrors.

Resolved, That a copy of these resolutions be spread upon the minutes of the College, and a copy be presented to the family of our deceased brother and colleague.

After considerable experience as teacher elsewhere, Dr. Elliott was appointed professor in this school in the year 1851. Throughout his long career as an educator he was a conspicuous example of unassuming worth, honorable character, and fidelity to duty. A competent and impartial observer, President D. C. Gilman, has lately said of him:

> The principal of the Baltimore City College, Dr. William Elliott, was an experienced teacher by whose good example and thorough discipline many of our students (including a large number of those who have taken undergraduate honors) were prepared for their matriculation in this University. He was a man of thorough habits, great modesty, sterling integrity, who, in spite of many limitations—especially the lack of adequate funds for the maintenance of the College—performed, without discouragement, the important duties entrusted to him, and left the stamp of his character upon a large number of the young men of Baltimore.

The enlightened citizens of Baltimore will long cherish with grateful regard the memory of Dr. Elliott, both on account of his blameless life and his efficient public services.

From the time of Dr. Elliott's illness till June 19th, Professor Milles was Acting Principal. From the date just mentioned to September 9th, Professor Raddatz officiated. It is justice to record the fact that both these gentlemen discharged their duties with diligence and success. On September 9th, 1890, as your records will show, the writer, who for ten years had been Professor of Astronomy and Mathematics in this school, was elected to the principalship. Professor S. F.

Norris, an alumnus of the City College, and for six years Adjunct in the departments of Mathematics and Latin, was promoted to the chair of Astronomy and Mathematics; and, finally, Mr. Julius G. Miller, Principal of Male Grammar School No. 4, was advanced to the position made vacant by the promotion of Professor Norris. Early in the fall of 1890 the Board revived the office of vice-principal, and on October 7th elected thereto Professor Charles F. Raddatz, the accomplished teacher of German in the College.

For a number of years past the only requirement for promotion from class to class in this school has been a *general* average of 60 in the studies of the first year, 65 in those of the second year, and 70 in those of the third and fourth years. As a result, opportunity has been afforded pupils not endowed with superabundant industry to ignore the more difficult subjects, and still, by high marks in easy ones, successfully claim advancement, and this, too, with a standing apparently as good as that of more faithful students. Without annulling the rule above mentioned, the Board has lately added a judicious amendment. Students must hereafter, in addition to the *general* average necessary for promotion, obtain a *special* average of at least 60 in each study. It is hoped that the new regulation will stimulate wider attention to the work of every department, evoke latent aptitudes in students, and thus elevate the standard of scholarship.

The Committee on Baltimore City College, desiring to awaken an increased interest in the study of history, and to broaden the curriculum by adding to it the subject of political science, in November, 1890, recommended to the Board the establishment of a special chair of History and Political Economy. The Board acted favorably upon the recommendation, and elected to the new position Mr. Robert Clinton Cole, Principal of Male Grammar School No. 12. Historical and political courses are meeting with growing favor in the best institutions of learning throughout the country. This addition, therefore, to our curriculum is extremely opportune. The new chair has been received with great satisfaction, not only on acccount of the useful and practical character of the subjects assigned to it, but their attractiveness as well.

The exercises of the fortieth annual commencement were held in the College building on June 23d, 1890. The Salutatory Address was made by Mr. Clayland Mullikin, the Honorary by Mr. Henry S. West, and the Valedictory by Mr. Edward S. Kines. Rev. Edward A. Lawrence addressed the graduates. His Honor, Mayor Davidson, distributed the certificates of graduation, and Professor Uhler the Peabody prizes. Captain Thomas P. Baldwin delivered to Mr. Albert G. Getty the Shakespearean prize. Professor Raddatz, on behalf of several friends of the College, presented to Mr. Henry S. West a set of books for the best work in the German department.

It is claimed by the Professor of Chemistry and Physics, Dr. Powhatan Clarke, that the rooms assigned to his department are ill adapted to its needs. As a remedy, he suggests that a physical and chemical laboratory, with the latest scientific appliances, be erected on that part of the play ground in the rear of the College. Doubtless the Board, at an early day, will give due consideration to this suggestion for the extension of our educational facilities.

The furniture of the College has, for the most part, been in use for sixteen years. Much of it is unsightly, and needs renovation. It is our earnest desire to have the various rooms of the building fresh and attractive; to have the entire equipment of the College, indeed, in condition to comport with the scholastic dignity of the institution that crowns the work of our male public schools.

Connected with the College are three voluntary organizations, namely, two literary societies, known respectively as the Bancroft and the Carrollton, and one society of young naturalists, called the Agassiz Association. Many of our brightest students belong to one or more of these bodies. The exercises afford fine opportunity for improvement in composition, oratory, debate, and natural history. We heartily commend these societies to the good will of the Board as being extremely valuable educational adjuncts to our regular course of study.

It is a pleasure to report that our graduates are successfully maintaining the reputation of the College for sending forth young men with capacity to meet the severest requirements at the Johns Hopkins University and other illustrious institutions of learning. Of the sixteen Hopkins Scholarships awarded to Maryland for the present academic year, former students of the City College hold thirteen. We have gratifying information from Princeton, Harvard, Lehigh and Troy Polytechnic Institute, as to the standing of our boys.

Throughout the half century of its existence, this school has been the object of jealous care on the part of the public school authorities. Their solicitude has not been unrewarded. The admirable records of the older alumni, both in business and professional life, amply prove the wisdom of past thought and expenditure. We earnestly bespeak a continuance of the same high consideration of the Board. The bright promise of the later students and graduates is good reason for generous liberality in providing for the future maintenance of the Baltimore City College.

As there were no promotions from the grammar schools to the College in the year 1886, owing to the establishment of the eighth grade, the present graduating class has in it only eight youths.

The attention of the Board is called to the fact that the eighth grade of the male schools does not ade-

quately take the place of what was the first year course at the College before the introduction of this grade. Latin is not taught in the grammar schools ; algebra is not completed. Some work is done in geometry, it is true, but this study is taken up *de novo* here, because the treatment of the subject in the text-book used in the eighth grade is totally different from that adopted in the text-book used at the College. In view of the long course of thirteen years from entrance at the primary school to graduation at the College, I respectfully suggest this as a proper subject of inquiry, whether some changes cannot be made, whereby the time of pupils may be economized, and a continuity of instruction be established as between the grammar-schools and the City College.

Gentlemen of the Board, by your suffrages you have lately elevated me to the distinguished position of Principal of Baltimore City College. Permit me to record my sincere appreciation of the great honor conferred, and at the same time, to express my high sense of the solemn responsibility the trust imposes. All the powers of my mind and heart shall be earnestly devoted to the discharge of my duties. If prudence, perseverance, conscience, do not fail me; if the continued confidence and support of the Board and my colleagues be vouchsafed me, I hope to administer the affairs of the College so as to merit the approbation of those without its walls ; and among those within, to make "learning a pleasure, a duty, and even a fashion."

In conclusion, it is a pleasure to mention the unfailing kindness and attention of the Committee. Their marked interest in the school greatly increases its efficiency. To officers and members of the Board in general, the thanks of the Faculty are due for many courtesies.

FRANCIS A. SOPER,

Principal.

COMMITTEE ON BALTIMORE CITY COLLEGE.

JOHN T. FOLEY, CHAIRMAN,

JAMES BOSLEY, M. D.,

THOMAS P. BALDWIN,

NELSON BAKER,

JOHN T. MORRIS, PRES'T, *ex officio*,

HENRY A. WISE, SUP'T, *ex officio*.

Faculty of Baltimore City College.

FRANCIS A. SOPER, A. M., PRINCIPAL,
Professor of Higher Mathematics.

CHARLES F. RADDATZ, VICE-PRINCIPAL,
Professor of the German Language.

A. L. MILLES, B. A.,
Professor of the French Language and Adjunct Professor of Latin.

POWHATAN CLARKE, M. D.,
Professor of Natural Sciences.

CHARLES C. WIGHT,
Professor of History and English Literature.

RICHARD W. PREECE,
Professor of Drawing.

A. Z. HARTMAN, A. M.,
Professor of Latin and Greek.

J. N. HANK, A. M.,
Professor of Latin and Greek.

JOSEPH H. ELLIOTT, SECRETARY OF FACULTY,
Professor of Book-keeping and Penmanship.

S. F. NORRIS,
Professor of Astronomy and Mathematics.

ROBERT C. COLE, A. M.,
Professor of History and Political Economy.

ALEXANDER HAMILTON,
Adjunct Professor of English and Mathematics.

G. EMORY MORGAN, A. M.,
Adjunct Professor of English Literature and Latin.

PHILIP H. FRIESE,
Adjunct Professor of Natural Sciences and English.

JULIUS G. MILLER,
Adjunct Professor of Mathematics and Latin.

GRADUATES.

Baumgarten, Morris	Green, Thomas F.
Bonn, Wm. Ewin	Havez, Jean C., Jr.
Burger, Louis	Kines, Edward S.
Clarke, Frank Angier	Mullikin, Clayland
Clutz, Frank H.	Paine, Charles H.
Dixon, T. Freeman	Pielert, Charles
Dowell, Howard B.	Soper, Morris A.
Edmondson, J. Hooper	Sparks, Francis Edgar
Forrest, Edwin	West, Henry S.
Getty, G. Albert	White, Wallace D.

Zoller, Henry, Jr.

PEABODY PRIZES.

OF THE FIRST GRADE—ONE HUNDRED DOLLARS EACH.

West, Henry S. Bonn, Wm. Ewin

Dowell, Howard B.

OF THE SECOND GRADE—FIFTY DOLLARS EACH.

Clutz, Frank H.	Soper, Morris A.
Baumgarten, Morris	Burger, Louis

RECITATIONS

— IN —

BALTIMORE CITY COLLEGE,

100TH AND 101ST TERMS.

RECITATIONS HEARD EACH WEEK BY THE RESPECTIVE PROFESSORS.

PROF. SOPER—Calculus, 4 times; Analytical Geometry, 6 times; Preparation, 3 times 13

PROF. RADDATZ—German, 21 times; English History, 2 times; Preparation, 1 time..... 24

PROF. MILLES—Latin, 9 times; French, 15 times..... 24

PROF. CLARKE—Natural Philosophy, 6 times; Chemistry, 18 times. 24

PROF. WIGHT—English Literature, 15 times; Rhetoric, 9 times.... 24

PROF. PREECE—Drawing, 22 times; Preparation, 2 times..... 24

PROF. HARTMAN—Greek, 12 times; Latin, 12 times..... 24

PROF. HANK—Latin, 20 times; Mental Philosophy, 2 times; Preparation, 2 times..... 24

PROF. J. H. ELLIOTT—Book-keeping, 19 times; Writing, 5 times.. 24

PROF. NORRIS—Trigonometry, 12 times; Astronomy, 3 times; Surveying and Navigation, 4 times; Review Mathematics, 4 times; Preparation, 1 time 24

PROF. COLE—History, 21 times; Political Economy, 2 times; Preparation, 2 times..... 25

PROF. HAMILTON—Geometry, 18 times; Algebra, 4 times; Preparation, 2 times..... 24

PROF. MORGAN—Latin, 10 times; English Literature, 10 times; Composition, 2 times; Preparation, 2 times..... 24

PROF. FRIESE—Composition, 9 times; Natural Philosophy, 10 times; History of U. S., 3 times; Preparation, 2 times..... 24

PROF. MILLER—Latin, 10 times; Algebra, 6 times; Composition, 2 times; Geometry, 4 times; Preparation, 2 times..... 24

CLASS RECITATIONS.

Recitations Made Each Week by the Different Classes.

J.—Calculus, 4; French, 2; German, 2; Chemistry, 3; English, 3; Drawing, 1; Latin, 4; Mental Philosophy, 2; Astronomy, 1; Political Economy, 2—24.

I^1 AND I^2.—Analytical Geometry, 3; French, 2; German, 2; Chemistry, 3; English, 3; Drawing, 1; Latin, 4; Greek, or Surveying and Navigation, 4; Astronomy, 1; History, 1—24.

H^1, H^2 AND H^3.—French, 3; German, 2; Chemistry, 3; Rhetoric, 3; Drawing, 1; Greek, or Review Mathematics, 4; Latin, 4; Trigonometry, 4; History Greece, 1—25.

B^1, B^2 AND B^3.—German, 3; Physics, 2; English Literature, 2; Drawing, 2; Latin, 4; Book-keeping, 3; Geometry, 4; Composition, 1; History Rome, 2—23.

A^1, A^2, A^3, A^4 AND A^5.—Latin, 5; History England, 2; Drawing, 2; Book-keeping, 2; Writing, 1; Geometry, 2; Algebra, 2; English Literature, 2; Physics, 2; Composition, 2; History U. S., 1—23.

CURRICULUM

— OF —

Baltimore City College.

FIRST YEAR.

History of United States,
History of England,
Writing,
Composition,
Drawing,
Natural Philosophy,
English Literature,
Latin,
Book-keeping,
Algebra,
Geometry.

SECOND YEAR.

Composition,
English Literature,
Book-keeping,
Natural Philosophy,
Drawing,
Latin,
German,
Geometry,
Plane Trigonometry,
History of Rome,
Mensuration.

THIRD YEAR.

Rhetoric, Composition and Elocution,
History of English Literature,
Drawing,
Latin,
Chemistry,
History of Greece,
German,
Greek, (optional),
French,
Trigonometry and Applications.

FOURTH YEAR.

English Literature,
Constitution of the United States,
Chemistry,
Latin,
Greek,
French,
Surveying and Navigation,
German,
Drawing,
Analytical Geometry,
Astronomy,
History of Eastern Nations,
Composition.

FIFTH YEAR.

Latin,
Greek,
Calculus,
English Literature,
Logic,
Mental and Moral Philosophy,
Political Economy,
French,
German,
Chemistry,
Astronomy,
Drawing,
Review of Mathematics

REPORT

—OF THE—

Principal of the Eastern Female High School

—FOR THE—

YEAR ENDING DECEMBER 31, 1890.

EASTERN FEMALE HIGH SCHOOL,

BALTIMORE, December 31st, 1890.

Commissioners of Public Schools.

GENTLEMEN:—The following brief report of this school for the year ending with the above-mentioned date is respectfully submitted:

Number of pupils on roll December 31st, 1889	287
Admitted from public schools	124
Admitted from private schools	5
Re-entered	1
Admitted by transfer	1
Total number in school during the year	418
Number withdrawn during the year	82
Number graduated	13
Number now on roll	323

Of the 124 pupils received from the grammar schools last fall, 73 were over 15 years of age. It is evident that the larger portion of these cannot spare the four years required to complete the high school course. I ask your attention to the length of time children are kept in our lower schools. The course of study of these schools is designed to cover eight years of school work; but, from the ages of pupils who enter this school, it appears that the average child takes at least nine years to pass through the eight grades. This loss of time is a serious matter. It not only keeps children out of the high school, but also compels others to leave before graduating. Either the programme should be changed, or there should be a return to semi-annual promotions.

Our curriculum—with the exception of trigonometry, which has been added to the work of the graduating class—is the same as last year. The pupils, as a rule, study with diligence and intelligence and give gratifying evidence of improvement. With permission of the Board, we will, next session, include in the work of the fourth year, instruction in the theory of teaching. In this connection, I would suggest that our methods, which are now almost exclusively in the line of intellectual development, be so modified as to permit instruction in the industrial branches that enter into the vocations allowed to women.

In former reports, I have spoken of the importance of a good school library, and have urged that additions be made to our small collection; but, for the

past two years, nothing has been done. It would be well, if all the departments were supplied with reference books for ready use. Time would be saved and pupils would have the supervision and guidance of their teachers when supplementing their text-books. A small annual appropriation will supply this need and increase our library. The class-rooms on the south side of the building should have inside shutters. They would add to the comfort of the classes, and, in the long run, save expense.

The exercises of the Thirty-eighth Annual Commencement were held in the main hall of the school, on the morning of Wednesday, June 25th. The stage was decorated with beautiful plants and presented an attractive appearance. The graduates—thirteen in number—received their diplomas from Mayor Davidson, who, in a few kind and pertinent remarks, congratulated them and wished them God-speed. An excellent and very appropriate address was made by the Hon. John B. Wentz, Chairman of the Committee on High Schools. The change from the public display to the simple and quiet exercises held in the school, is a commendable reform, and is in keeping with the practice of similar institutions.

In closing, I thank my assistants for their aid and co-operation; I also desire to express my appreciation of the kindness I have received from the officers and members of the Board, especially the Committee on Female High Schools.

WILLIAM F. WARDENBURG,
Principal.

Committee on Female High Schools.

JOHN B. WENTZ,

*JOHN M. JONES,

JACOB S. BARNES,

A. WARFIELD MONROE,

WM. H. B. FUSSELBAUGH, OF J.,

JAMES L. MURRILL,

JOHN T. MORRIS, PRES'T, *ex-officio.*

HENRY A. WISE, SUP'T.

*Succeeded in November by CHAS. J. WIENER.

Faculty of Eastern Female High School.

WILLIAM F. WARDENBURG,

Astronomy, Mental Philosophy, Algebra, Book-keeping, Trigonometry.

ELIZABETH A. BAER,

Rhetoric, Elocution, Composition.

PHEBE J. TOMPKINS,

Etymology, Arithmetic, Composition.

SARAH L. BASSFORD,

History, Composition, Etymology, Grammar.

MARY C. GEDDES,

Algebra, Geometry, Composition.

LAURA V. De VALIN,

Physiology, English Literature, Composition.

ELIZA E. NICOLAI,

Natural Philosophy, Composition, Algebra.

MATILDA M. MULLIN,

Drawing.

LEONORA E. CARPENTER,

Literature, History, Composition, Algebra.

J. HARRY DEEMS,

Vocal Music.

FANNIE A. CASPARI,

German.

CHARLES L. COPINGER,

French.

GRADUATES.

Carrie Bell,

Mary Bell,

Annie Lee Bramble,

Margaret C. Coady,

Annie C. Coldewy,

Blanche May Crook,

Bessie Gray,

Annie S. Gude,

Marion S. Kerr,

Mamie A. Montgomery,

Rose M. Riley,

Lida May Royston,

Lydia Taylor.

CLASS RECITATIONS.

Recitations Made Each Week by the Different Classes.

K.—Mental Philosophy, 3; Trigonometry, 2; History, 2; English Literature, 2; Grammar, 1; Elocution, 2; Arithmetic, 2; Drawing, 2; French, 2; Music, 2; Composition, 2; Astronomy, 2; German, 1—25.

H. I.—Natural Philosophy, 2; English Literature, 2; Rhetoric, 2; Elocution, 1; Algebra, 3; History, 2; Geometry, 2; Book-keeping, 2; Drawing, 2; French, 2; Music, 2; Composition, 1; German, 2—25.

E. F. AND G.—Algebra, 3; Arithmetic, 2; Composition, 1; Drawing, 2; Elocution, 1; French, 2; Geometry, 2; German, 2; History, 2; Literature, 2; Natural Philosophy, 2; Rhetoric, 2; Vocal Music, 2—25.

A. B. C. AND D.—Etymology, 3; Literature, 2; Elocution, 1; Algebra, 4; Arithmetic, 2; Natural Philosophy, 2; Drawing, 2; Music, 2; Composition, 2; History, 2; Physiology, 2; German, 1—25.

COURSE OF STUDY

— IN THE —

FEMALE HIGH SCHOOLS.

FIRST YEAR.

Algebra,
Arithmetic,
Composition,
Drawing,
Elocution,
Etymology,
German,
History,
Literature,
Natural Philosophy,
Physiology,
Vocal Music.

SECOND YEAR.

Algebra,
Arithmetic,
Composition,
Drawing,
Elocution,
French,
Geometry,
German,
History,
Literature,
Natural Philosophy,
Rhetoric,
Vocal Music.

THIRD YEAR.

Algebra,
Book-keeping,
Composition,
Drawing,
Elocution,
French,
Geometry and Mens.,
German,
History,
Literature,
Natural Philosophy,
Rhetoric,
Vocal Music.

FOURTH YEAR.

Arithmetic,
Astronomy,
Composition,
Drawing,
Elocution,
French,
German,
Grammar,
History,
Literature,
Mental Philosophy,
Trigonometry,
Vocal Music.

REPORT

— OF THE —

PRINCIPAL OF WESTERN FEMALE HIGH SCHOOL.

WESTERN FEMALE HIGH SCHOOL,

BALTIMORE, December 31st, 1890.

Commissioners of Public Schools:

GENTLEMEN:—In presenting this report of the Western Female High School for the year ending December 31st, 1890, it gives me pleasure to state that so far as the educational work is concerned, the results, particularly in the higher classes, have been generally gratifying.

Among the few causes that have helped to render the condition of the school not entirely satisfactory, the principal one is to be found in the inadequacy of our building. Years ago, its unfitness for the comfortable accommodation of a large school was clearly pointed out in successive annual reports. Partial relief was for some time obtained through the diminution of the number of pupils, which was a consequence of the addition of the eighth grade to the grammar school

course; but, with the increase of last fall, the inconveniences again became serious. The wants of the school were recently made the subject of investigation by a Special Committee of the Board. In their report, which was unanimously adopted, the necessity for better accommodations was strongly urged.

As the result of the examination in June, there were 262 grammar school pupils entitled to promotion. Of this number 50 failed to enter, and one was transferred to the Eastern High School. The roll, therefore, when completed, was made up as follows:

Returned after the summer vacation	313
Re-entered	8
Admitted from grammar schools	211
Admitted from private schools	3
Transferred from Eastern High School	2
Total	537

The change in the numerical condition of the different classes is shown in the following table:

	4th yr.	3d yr.	2d yr.	1st yr.	Totals.
On roll December, 1889	19	67	133	236	—455
On roll June, 1890	19	64	118	177	—378
Graduated June, 1890	19	..	...	...	— 19
On roll September, 1890	61	85	152	239	—537
On roll December, 1890	60	85	150	221	—516

The average number on roll during the year was 458; the average attendance 425 or 92.8 per cent.; the whole

number of non-resident pupils 10; the present number 7; and the amount paid to the Secretary for tuition fees $220.40.

The only change which has occurred in our faculty for a long time was occasioned by the resignation and marriage of Miss Laura D. Brian, one of its most earnest and industrious members. Her connection with this school commenced in 1871. In leaving us, there accompanies her the sincere wish of her late companions that she may enjoy many happy years in her new relation. Her retirement afforded opportunity for the separation of the two classes which, under different teachers, had previously occupied the music platform in full sight and hearing of each other. Every recitation room being already used, no one was appointed to succeed her.

It is greatly to be desired that some plan were matured, whereby the pupils entering from the grammar schools would be more equally qualified in scholarship.

Their difference in this respect is surprising,—the more so, because they were all subjected to the same test before being promoted. With their varying capacities and attainments, it is not possible to arrange one course of study that will be just to all. These facts indicate why the results in the first year are not so satisfactory as in the higher classes. Proper classification cannot be effected till the beginning of the second year. In the meantime, many withdraw from school rather than submit to the mortification of failure.

As a large proportion of our graduates find occupation in the public and in private schools, it was thought well, with the consent of the committee, to devote one hour per week of the time of the fourth year class to the "theory and practice of teaching." While this arrangement is designed especially to benefit those who may afterwards engage in the profession of teaching, it is believed that profit must result to all, in the power of attention, clearness of conception, and accuracy of statement developed in regular efforts to systematize and communicate knowledge.

The commencement exercises were held in the assembly room of our own building on the morning of June 26th. The audience consisted principally of the parents and friends of the graduates. The Salutatory was read by Miss Annie S. McCurley; the Honorary, written by Miss Katie Hunt, was read by Miss Elizabeth Blatter; and the Valedictory by Miss Elise Fincke. His Honor the Mayor, Robert C. Davidson, after presenting the diplomas, followed with some thoughtful and appropriate remarks. The regular address was delivered by Elbert S. Todd, D.D. It was eloquent, impressive and contained much wholesome counsel.

I desire, in conclusion, to acknowledge the efficient support rendered by my associates in the management of the school, and to thank the members of the Board, and particularly those of our own committee, for their kindly interest in both teachers and pupils and their many efforts to promote our welfare.

ANDREW S. KERR,

Principal.

Committee on the Female High Schools.

JOHN B. WENTZ,

JOHN M. JONES,*

JACOB S. BARNES,

A. WARFIELD MONROE,

WM. H. B. FUSSELBAUGH, of J.,

JAMES L. MURRILL,

JOHN T. MORRIS, PRES'T, *ex-officio.*

HENRY A. WISE, SUP'T.

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* Succeeded in November by CHARLES J. WIENER.

Faculty of Western Female High School.

ANDREW S. KERR, Principal,

Mental Philosophy, Astronomy, Trigonometry and Algebra.

PAMELA A. HARTMAN,

English Literature, Composition, History.

SARA S. RICE,

Elocution, Rhetoric, Composition, Etymology.

JANE S. WILLIAMS,

Rhetoric, Algebra, Composition, Grammar.

EMMA COWMAN,

Natural Philosophy, Literature, Physiology, Composition.

HENRIETTA C. ADAMS,

History, Composition.

LOUISA C. SAUMENIG,

Geometry, Book-keeping, Literature, Algebra, Composition.

ANNA P. TUDOR,

Arithmetic, Composition, Natural Philosophy.

ANNIE O. SOLLERS,

History, Etymology, Natural Philosophy, Composition.

MARY H. THOMIZ,

Arithmetic, Physiology, Literature, Composition, Etymology.

BESSIE G. THOMSON,

Algebra, Elocution, Drawing, Composition, Literature.

ELIZA J. DAVIS,

Drawing.

CHARLES L. COPINGER,

French.

FANNIE A. CASPARI,

German.

JOHN G. WEHAGE,

Vocal Music.

CLASS RECITATIONS.

RECITATIONS MADE EACH WEEK BY THE DIFFERENT CLASSES.

M CLASS.—Mental Philosophy, 3; Astronomy, 2; Arithmetic, 1; English Literature, 2; History, 2; Composition, 1; Grammar, 1; Elocution, 2; Drawing, 2; French, 2; German, 1; Music, 2; Trigonometry, 2; Theory of Teaching, 1; Preparation, 1.

L AND K CLASSES.—Algebra, 3; Geometry, 2; Bookkeeping, 2; Natural Philosophy, 2; Literature, 2; Rhetoric, 2; History, 2; Composition, 1; Elocution, 1; Drawing, 2; French, 2; German, 2; Music, 2.

I, H AND G CLASSES.—Arithmetic, 2; Algebra, 2; Geometry, 2; History, 2; Literature, 2; Composition, 1; Natural Philosophy, 2; Physiology, 1; Rhetoric, 2; Elocution, 1; French, 1; German, 1; Drawing, 2; Music, 2; Preparation, 2.

F, E, D, C, B, A CLASSES.—Arithmetic, 3; Algebra, 2; Natural Philosophy, 2; Physiology, 2; History, 3; Literature, 2; Etymology, 2; Composition, 2; Elocution, 1; German, 1; Drawing, 2; Music, 2; Preparation, 1.

GRADUATES.

Blatter, Elizabeth

Bowers, Rosa C.

Browne, Eda L.

Evans, Mary H.

Fincke, Elise L. S.

Gent, R. Adele

Greif, Nettie

Holland, Eleanor F.

Hunt, Katie

McCurley, Annie S.

McFrederick, Alice M.

Mitchell, Irene B.

Ryan, Annie B.

Shorey, Alice A.

Slack, Lewellyn

Stevens, Mary F.

Wheat, Alice E.

Weiller, Lillie

Williams, Florence T.

COURSE OF STUDY

—IN THE—

Female High Schools.

FIRST YEAR.

Algebra,
Arithmetic,
Composition,
Drawing,
Elocution,
Etymology,
German,
History,
Literature,
Natural Philosophy,
Physiology,
Vocal Music.

SECOND YEAR.

Algebra,
Arithmetic,
Composition,
Drawing,
Elocution,
French,
Geometry,
German,
History,
Literature,
Natural Philosophy,
Physiology,
Rhetoric,
Vocal Music.

THIRD YEAR.

Algebra,
Book-keeping,
Composition,
Drawing,
Elocution,
French,
Geometry,
German,
History,
Literature,
Natural Philosophy,
Rhetoric,
Vocal Music.

FOURTH YEAR.

Arithmetic,
Astronomy,
Composition,
Drawing,
Elocution,
French,
German,
Grammar,
History,
Literature,
Mental Philosophy,
Vocal Music.
Trigonometry,
Theory of Teaching.

REPORT

—OF THE—

Principal of Baltimore Manual Training School.

MANUAL TRAINING SCHOOL,

BALTIMORE, December 31st, 1890.

GENTLEMEN:

In compliance with the regulations for the government of the Baltimore Manual Training School, I have the honor to submit the seventh annual report of its condition and needs.

On the 31st of December, 1889, there were 506 students on roll, of whom 9 were special students, and of these 6 were from the Johns Hopkins University. Since that time, 211 have been admitted by permit and 38 by transfer, making the total number of students in the school during the year 755, of whom 17 were graduated, and 310 withdrew from the school, leaving on the roll at this time 428 students.

Since the last annual report the new building has been completed and accepted by the city. The building was occupied by the students in April, and they

were then supplied with the space so long needed. The first floor of this building contains a natatorium and a covered play and drill ground for the boys. The open archways in this apartment have recently been enclosed by doors, affording protection in cold and inclement weather. The large hall on the second floor is conveniently furnished with opera chairs. On the third and fourth floors are the hat, office, cloak, library and recitation rooms, and physical and chemical laboratories. The fifth story is divided into four large rooms, one each for freehand and mechanical drawing, model and exhibition. The hallway of this floor is used as an armory.

The steam heating apparatus has not been very satisfactory, and it has become necessary to cover the exposed steam heating pipes in the play and drill ground with asbestos and felt to prevent condensation, and therefore loss of heat.

With the approval of the committee, I have made some alterations in the old building, viz: The ground floor, formerly occupied by the pattern-making and forge shops, is now used for the boiler room, sheet metal and forge shops. In the latter a 42-inch steam blower has just been placed to supply the fourteen large new forges; a 42-inch steam exhaust fan has also been put up to carry off the smoke and gases.

The sheet metal and forge shops have been supplied with new tools and machines, and are now fitted up in

the most approved manner. More space has been secured for the machine shop on the second floor by the removal of the sheet metal, filing and chipping shops from the same. Three new lathes and an emery grinder have been placed in this shop, and its store-room has been enlarged by the removal of the partition around the stairway.

The pattern-making shop, which was formerly on the ground floor, now occupies the south side of the third floor, and is dry and well lighted. The lathes, built in the school, are being placed in position in it, and a good supply of new tools have been purchased. The north side of this floor has been fitted up for steam engineering, and we have the promise of several models from our city manufacturers and from others, for the steam engineering classes.

The fourth floor has been divided into two rooms, to be used as carpentry and wood carving shops.

During the year the school has been honored by the donation of a handsome bookcase and valuable collection of books by John E. A. Cunningham, Esq., of this city; also by the presentation of a collection of minerals by the Smithsonian Institute of Washington, D. C.

Tools and instruments have been purchased for the shops and laboratories as liberally as our appropriation would allow. The recent alterations made in the shops have improved their working capacity, and the plant

of our school is probably as good as that of any similar institution in the country. We have therefore every reason to hope for great success.

The cause of manual training continues to find favor with educators, and many cities are trying the experiment for themselves. During the last year our school has been visited frequently by those anxious to observe its methods, and written applications for our modes of instruction have been received from different parts of the United States, from Leeds, England, and from Norway.

A number of applications have been received for our graduates to fill remunerative positions and to act as teachers.

Visits have been made by the senior class, in charge of their instructors, to the Columbian Iron Works, Steelton, the Freyer Steamship Construction Co., and other large manufacturing establishments in and around the city, whereby much practicable information has been obtained.

The Fourth Annual Commencement of this school was held in the hall of the new building, June 25th. The addresses usual on such occasions were delivered by Hon. F. C. Latrobe, Hon. John B. Wentz, and his Honor, Mayor Robert C. Davidson, who also presented to the 17 graduates their diplomas. Several of these young gentlemen are continuing their studies in the more advanced schools, others have obtained desirable

situations, and one is teacher of drawing and manual training in the High School at Wilkesbarre, Pa.

Having obtained the consent of the patentees, the boys of this year's senior class are making a Deane steam pump as their graduation work in the mechanic art.

New lathes are needed for the machine shop, and an appropriation to build a foundry; these are greatly needed, and the hope is expressed that during the coming year the wants will be supplied.

I would suggest that an effort be made for a worthy exhibition of the work of the different departments of the Baltimore Manual Training School at the World's Fair, to be held in Chicago.

Our boys should be kept up to a high standard and fulfill the expectations of the people of Baltimore, and leave the school with well trained heads and skilled hands.

In conclusion, I would say that I hold in grateful remembrance the uniform kindness of the officers and members of the School Board, and that my thanks are due the Committee of the Baltimore Manual Training School for their support and confidence.

Very respectfully,

JOHN W. SAVILLE,

P. A. Engineer U. S. Navy (Ret'd.)

To the Board of Public School Commissioners,
Baltimore, Md.

ESTIMATE FOR THE YEAR 1891—500 STUDENTS.

Present pay roll	$15,380
Books to replace those worn out	900
Wood, iron, steel, brass, copper, tin, solder, &c., for lessons	2,000
Wood and coal for heating buildings	900
Wood and coal for boilers	400
Furniture, repairs, printing, commencement, catalogue, and postage	1,000
Coal and charcoal for forge and tin metal shops	350
Repairs to boilers, machines and tools	400
Gas, and gas, steam and water fixtures	300
Apparatus for physical laboratory	500
Apparatus for chemical laboratory	400
Instruments, drawing paper, ink and colors	1,200
Stationery, slates, &c	500
Rebinding old books	700
Work for exhibition at World's Fair	500
For new foundry	1,000
Total	$26,430

Grades for Primary Schools.

(September, 1885—as Amended to April, 1891.)

FIRST GRADE. FIRST YEAR.

READING.—First half year.—Use objects or pictures, black-board, slates, Fisher's card and reading chart. From the beginning lead the pupils to associate words with the things, qualities, or actions of which they are the representatives. First present the object to their attention and then the word that names it. After a few simple words have been learned in this way, combine each object-word with other simple words to form sentences which the pupils are to be taught to read. Continue this exercise with a series of simple object-words. In all new sentences present repetitions of word-forms previously learned and introduce new words gradually. Teach writing from the first, beginning with the small letters of the simplest forms, as wholes, and afterward combining the letters to form simple words. Give much repetition in new combinations of letters previously learned. Use the reading chart after the written forms of a few words have been thoroughly taught. Begin with script instead of printed words.

Second half year.—American Educational Reader No. 1. Supplementary reading to repeat word-forms in new sentences. Continue to practice writing words and sentences and reading them. In this and all subsequent reading work take special care to see that the thought to be expressed is in the mind of the pupil before requiring him to read aloud. Insist upon a distinct and audible utterance, and correct pronunciation. Pupils must not be permitted to acquire the habit of drawling or reading disjunctively. Teach them to see whole phrases and to speak them as wholes. The articles *a*, *an* and *the* and the unemphasized little words *in* and *to*, etc., should be pronounced as unemphasized prefixes. For example, *a float*, *a boat*, should be spoken as single words, like *afloat*, *about*, etc. Never allow the too common fault of hesitating in learning to read. Make the pupils familiar with the matter of each reading lesson by conversation and explanation, so as to lead them to read it at sight. To this end the new words of each lesson should be written on the blackboard and fully explained. The pupils should also be required to copy them into sentences before allowing them to read the lesson. Oral spelling from the reading lesson.

Arithmetic.—First half year.—Teach numbers from one to twenty. Second half year.—Teach to one hundred. Develop the *idea* of number, as wholes; with objects, numeral frame, marks, etc. While doing this do not at first permit the pupil to *count* unless the objects to be counted are actually present. Treat each number above 1 with all possible combinations of the preceding numbers to produce it by adding, and with its separations by subtracting them from it—

First. With objects, numeral frame, marks, etc., without figures.
Second. With objects and figures.
Third. Mentally with abstract numbers.
Fourth. With simple practical examples.

Train the pupils to recognize the number at sight without conscious effort at counting, as they recognize the words, *day*, *man*, etc. Encourage the children to talk, but require their answers to be full and complete sentences.

Miscellaneous examples for rapid solution by adding and subtracting.

Slate Work.—First half year.—Addition, the result to be no greater than 20; second half year, no greater than 100. Teach coins from 1 cent to twenty, inclusive; pint; quart; inch.

Language.—Purpose: to accustom pupils to express what they know in correct forms of speech. Oral exercises from objects and pictures connected with the reading and observation lessons, including the lessons in numbers and whatever the ingenuity of the teacher may suggest.

Penmanship.—Begin with the thirteen small letters, combining them into short easy words. Be careful that the copies set are in good writing. After the pupils are able to write fairly well exercise them in copying easy sentences. Require them to read what they have written. The idea of form and symmetry is to be required at this point, rather than the making of nice lines. The copying of printed forms from books as an exercise must not be allowed.

Drawing.—As prescribed for the grade.

Music.—As prescribed for the grade.

SECOND GRADE. SECOND YEAR.

READING AND SPELLING.—American Educational Reader No. 2. Supplementary reading. Exercises in articulation and pronunciation. Written and oral spelling from the reading lessons. A few short pieces of suitable poetry carefully learned and frequently recited. Require the pupils to write the words before spelling them orally by letters. Accustom pupils in written spelling to recognize all the characters in the word forms, such as the *apostrophe*, etc. Require them to memorize the alphabet as an acquisition for future use. Observe directions in previous grade.

ARITHMETIC.—Combinations and separations of numbers to one thousand.

Adding, subtracting and multiplying—

First. Without figures.

Second. With figures, using no amounts or minuends greater than one thousand or multipliers greater than nine. Roman numerals to C.

Coins continued. Pint, quart, gallon. Pint, quart, peck and bushel. Hour, day, week, month and year. Dozen. Inch, foot and yard. Ounce and pound.

SLATE WORK.—Write and read numbers containing six figures. Addition, subtraction and multiplication with not more than three figures as a multiplier. Simple practical problems. Teach well the multiplication table through 9×12. Illustrate the construction of the table with objects, the numeral frame, etc. Give oral drills in rapid combinations of numbers.

LANGUAGE.—Work of first grade continued. Short stories told or read to the pupils, and reproduced by them orally. Pupils to give expression to thoughts suggested by objects and pictures or by observation lessons.

PENMANSHIP.—First half year.—Review the writing of the small letters, and teach the writing of all the capitals and all the marks of punctuation. Give daily practice in writing words and sentences taught in the language and reading lessons. Give exercises in writing from dictation and transforming printed language into script. Accept no careless work.

Second half year.—Practice in movements of the arm, hand and fingers with the lead pencil or pen held correctly, using suitably ruled copy-books for such work—

First. Copying from the black-board or from slips.
Second. Writing selections in script from the reading book.
Third. Words, phrases, sentences and short stories from dictation.

Drawing.—As prescribed for the grade.

Music.—As prescribed for the grade.

THIRD GRADE. THIRD YEAR.

Reading.—American Educational Reader No. 3. Exercises in articulation and pronunciation. Written and oral spelling selected from the first thirty-four lessons of the American Educational Reader No. 3, and lessons Nos. 36, 38, 41, 43, 45, 47, 50, 52, 54, 56, 57, 60, 64, 67, 70, 72, 74 and 76. A few appropriate selections of poetry carefully read, learned and frequently recited. Observe directions in previous grades.

Arithmetic.—The text book in this grade is to be used for *reading* and *thinking* as well as for drill work.

Writing and reading integers to and including millions. Miscellaneous exercises in addition, subtraction, multiplication and division of integers. In long division, the divisor not to exceed four figures.

Multiplication table reviewed and continued through 12×12. Roman numerals to M. and ordinal numbers as needed in connection with the reading and other lessons.

Coins previously studied and paper currency. Second, minute, hour, day, week, month and year. Time of day by the clock. Units of dry and liquid measure previously studied, thoroughly reviewed. In this grade the ground rules—addition, subtraction, multiplication and division—thoroughly reviewed; collateral practice with exercises for rapid execution—adding columns of figures, etc.

Penmanship.—Practice in movements of the arm, hand and fingers with the pen held correctly. Use practice paper one hour a week. One writing book or its equivalent, completed each half year. Copying from the blackboard. Writing selections and dictation exercises in blank books.

LANGUAGE.—Work of second grade continued with oral and written exercises, short stories read silently and then reproduced orally and in writing, stories written from pictures; letter writing begun.

GEOGRAPHY.—Second half year.—Give conversational lessons on plants, animals, people of different countries and climates, traveling by land and water, etc. Teach the natural divisions of land and water. Cardinal points of the compass. Names of the hemispheres, continents, oceans, and grand divisions. General idea of our own country, state and city. Make the study interesting to the pupils, and endeavor by all means to create in their minds clear conceptions of geographical terms. Use the lessons of the book as reading and thinking lessons. All terms and definitions should be learned with accuracy after they are clearly understood. Examination in this study taken from sections (1) Direction, (2) Distance and Measuring, (3) Using a Scale, (4) Natural Divisions, (5) Township, City Schools, (6) Climate, (10) Occupations of Men, (11) Government, and (13) Shape of the Earth.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

In all the grades make a list of words that pupils most frequently mispronounce, and drill them in their correct pronunciation; also give frequent and thorough drill upon words containing the vowel sounds properly grouped and arranged.

Particular attention should be paid to addition in all the grades. See that pupils perceive readily the sum of integers without resorting to the counting process.

ELEMENTARY SCIENCE.

Lessons to develop ideas of—

(1) *Color.*—Red, orange, yellow, etc.
Form.—Sphere, cylinder, cube, etc.
Place.—On, above, under, before, etc.
Size.—Large, small, great, little, etc.
Qualities of objects.—Rough, smooth, sweet, etc.
(2) *Lessons on the human body.*—Parts, use and movements, etc.
(3) *Familiar plants.*—Flower, leaf, stem, root, etc.
Animals.—Cat, dog, horse, cow, etc.
Things.—Objects in the school room, etc.

The lessons on this subject should be purely oral, with conversational illustrations. One hour a week, at such times as may be most suitable.

Principals are authorized and expected to promote to higher grades during the year such pupils as shall evince ability to pursue the studies of the higher grades.

In this course of study more attention should be given to language and reading than to abstract work; and it is expected that principals will see that their assistants understand and follow closely the directions given in the present schedule.

The perceptive faculties should be brought into prominent exercise, as this is the law of childhood and youth. The disposition to discover impels them to activity. Hence the teacher to be successful with children, must accustom them *to do* and discover for themselves. Train the eye to see, the ear to hear, the hand to do, and through these the mind to think.

Grades for Grammar Schools.

(September, 1886.—As amended to April, 1891.)

FOURTH GRADE. FOURTH YEAR.

LANGUAGE.—Newell's Third Reader. At least five exercises of an hour each per week. Spell the words contained in the first half of Newell's Third Reader. Composition at least once a week—mistakes carefully corrected and explained. Letter-writing. Abstracts of lessons, stories, etc.—orally and in writing. Capitalization and punctuation. Correction of faulty expressions (oral and written) and mispronunciations. Develop a knowledge of the parts of speech, the subject nominative, the predicate verb, and the object of verbs and prepositions, through the study of the simple sentence. Supplementary reading. Writing selections and dictated exercises in blank books. One writing-book or its equivalent, completed each half year. Recitation of appropriate selections.

ARITHMETIC.—Written and mental. Addition, subtraction, multiplication and division of U. S. money (no decimal divisors or multipliers). Denominations, *in common use*, of dry measure, long measure, liquid measure, and time, with examples involving their practical application. Common fractions to multiplication. Endeavor to make pupils quick and accurate in working examples in the simple rules.

GEOGRAPHY.— Elementary. New England States and North America. Draw, from memory, map of North America.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

SCIENCE.—Dulany's Health Primer. To be used as a supplementary reader.

FIFTH GRADE. FIFTH YEAR.

LANGUAGE.—Newell's Fourth Reader. At least five exercises of one hour each per week. Supplementary reading. Spell the words in the speller from page 15 to page 31. Special attention to be given to correct forms of speech, both spoken and written. Exercises in composition, letter-writing, etc., the same in kind as those of the fourth grade, adapted to the capacity of the pupils of this grade—mistakes carefully corrected and explained. Continue the development of a knowledge of the parts of speech, through the study and analyzation of the simple sentence. Conjugation of verbs, in the indicative mode, active voice, simple form. Declension, person and number. Pupils of this grade should understand the use of capitals, periods, the question mark, quotation marks, and should have some knowledge of the use of the comma and the apostrophe. One writing-book or its equivalent, completed each half year. Writing original and dictated exercises in blank books. Recitation of appropriate selections.

ARITHMETIC.—Written and mental. U. S. money. Common fractions and decimals. Continue the exercises involving the tables studied in the fourth grade. Explain at the black-board how the common denominations of square measure are derived from those of long measure, and teach the denominations of square measure *in common use* with simple examples involving their practical application. Frequent practice in the four rules, especially addition.

GEOGRAPHY.—Elementary. Middle Atlantic States, United States, South America. Draw, from memory, maps of Maryland and South America.

SCIENCE.—Dulany's Physiology. To be used as a supplementary reader.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

SIXTH GRADE. SIXTH YEAR.

LANGUAGE.—Newell's Fourth or Fifth Reader. History of Maryland. Supplementary reading. At least five exercises one hour each per week. Spell the words in the speller from page 31 to page 46. The work of the fifth grade in composition continued, including reproduc-

tions of lessons in reading, geography, history and physiology—mistakes carefully corrected and explained. Special attention to be given to correct forms of speech, both spoken and written. The study and analysis of simple and complex sentences. The gender, person, number and case of nouns and pronouns; the classes of nouns and pronouns; the comparison of adjectives and adverbs; the voice, and conjugation of verbs. Punctuation. One writing-book or its equivalent, completed each half year. Copying letters and writing in blank books, as in preceding grades. Recitation of appropriate selections.

ARITHMETIC.—Written and mental. Compound numbers. Explain at the black-board and by cubes how the common denominations of cubic measure are derived from those of long measure. Teach the pupils to perform with ease and accuracy operations in the simple rules and fractions. Practical examples involving the rules taught.

ALGEBRA.—To page 46, section 80. (*Omitted in Female Grammar Schools.*)

GEOGRAPHY.—Higher. Southern States. Central and North Central States. Europe. Draw, from memory, maps of Maryland and Europe.

SCIENCE.—Dulany's Physiology. One lesson a week. Teach the portions relating to hygiene and the nature of narcotics and alcoholic stimulants.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

SEVENTH GRADE. SEVENTH YEAR.

LANGUAGE.—Newell's Fifth Reader. History of Maryland. Spell the words in the speller from page 46 to page 61. Supplementary reading. Constitution and Bill of Rights of Maryland to be used as supplementary reading at least once in two weeks. Reading compositions and other written exercises. Work of the preceding grade in composition continued, including descriptions, and abstracts of lessons in reading, geography, history and physiology. Business letters. The study and analysis of simple, complex and compound sentences. Properties of the parts of speech continued; voice, mode, tense, and the use of auxiliaries. Principles of syntax explained and illustrated. Para-

graphing. Special attention to the correct forms of speech, both spoken and written. Punctuation. One writing-book or its equivalent, completed each half year. Making out bills. Writing in blank books valuable extracts, compositions and reproductions. Recitation of appropriate selections. Declamation.

ARITHMETIC.—Written and mental. Percentage, profit and loss, interest, ratio and proportion, discount, and partnership. Practical business examples involving the rules which have been taught.

ALGEBRA.—To page 135. (*Omitted in Female Grammar Schools.*)

GEOGRAPHY.—Rocky Mountain and Pacific States. Europe reviewed. Africa. Draw, from memory, maps of Maryland and Africa.

SCIENCE.—Dulany's Physiology. One lesson a week.

HISTORY.—History of the United States to chapter XXIX.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

EIGHTH GRADE. EIGHTH YEAR.

LANGUAGE.—Newell's Sixth Reader and the History of Maryland. Supplementary reading. Constitution of the United States and the Declaration of Independence to be used as supplementary reading at least once in two weeks. Reading original compositions. Work of the seventh grade in composition continued. Outlines prepared for original composition. The study and analysis of sentences continued. Properties and inflections of words. Principles of syntax. Paragraphing. Special attention to the correct forms of speech, both spoken and written. Common roots, prefixes and suffixes, and compounds. Exercises in writing to be connected with book-keeping and composition. Writing compositions, dictated exercises, commercial forms, and business letters in blank books. Recitation of appropriate selections. Declamation.

ARITHMETIC.—(*For Male Grammar Schools.*) Written and mental. Finish the book, giving particular attention to the subjects taught in the preceding grades, and the following: partial payments (U. S. rule), equation of payments, commission and brokerage, averaging accounts, involution, evolution, mensuration (in connection with this subject review square and cubic measure), single-entry book-keeping.

ARITHMETIC.—(*For Female Grammar Schools.*) Written and mental. Finish the book, giving particular attention to the subjects taught in the preceding grades, and the following: partial payments (U. S. rule), commission and brokerage, involution, evolution, mensuration (review square and cubic measure carefully with this subject), single-entry book-keeping.

ALGEBRA.—(*For Male Grammar Schools.*) Through quadratic equations.

ALGEBRA.—(*For Female Grammar Schools.*) Teach the four rules.

GEOMETRY.—To book V, omitting book III. (*Omitted in Female Grammar Schools.*)

GEOGRAPHY.—Asia, Oceania and Maryland. Draw, from memory, maps of Maryland and Asia.

SCIENCE.—First half year.—Physics to acoustics. Second half year.—Dulany's Martin's Human Body.

HISTORY.—History of United States to page 312.

DRAWING.—As prescribed for the grade.

MUSIC.—As prescribed for the grade.

Grades in German

FOR THE

ENGLISH-GERMAN SCHOOLS.

(March, 1886—As amended to April, 1891.)

N. B.—Classes in which Klemm's text-books are still in use will follow the grading as prescribed for those books.

FIRST GRADE. FIRST YEAR.

READING AND SPELLING (oral).—Goebel's First Reader, pages 1 to 24 (No. 47), inclusive.

WRITING.—Copy script letters, words and sentences from the blackboard.

LANGUAGE.—Refer to corresponding English grade.

MEMORIZING.—Appropriate selections.

SECOND GRADE. SECOND YEAR.

READING.—Goebel's First Reader, from page 24 to end. No. 14 (first division) and No. 3 (second division) optional.

SPELLING.—Goebel's First Reader, from page 27 to 48, inclusive.

LANGUAGE.—Refer to corresponding English grade.

MEMORIZING.—Appropriate selections.

THIRD GRADE. THIRD YEAR.

READING.—Goebel's Second Reader, from page 1 to 74, inclusive.

SPELLING.—Goebel's Second Reader, page 1 to 39, inclusive.

LANGUAGE.—Refer to corresponding English grade.

TRANSLATION.—Exercises on pages 92, 93, 94, 95, 96.

MEMORIZING.—Appropriate selections.

PENMANSHIP.—Taught in connection with written exercises.

FOURTH GRADE. FOURTH YEAR.

READING.—Goebel's Third Reader, from page 1 to 76, inclusive.

SPELLING.—Goebel's Third Reader, from page 1 to 47, inclusive.

TRANSLATION.—Exercises on pages 103, 104, 105, 106, 107.

GRAMMAR.—The five declensions of nouns; comparison of the descriptive adjective and its declensions (in the pos. degree), when preceded by the article or a demonstrative or possessive adjective.

LANGUAGE.—Refer to corresponding English grade.

FIFTH GRADE. FIFTH YEAR.

FIRST HALF YEAR.

READING.—Kreis IV, pages 1–60.

TRANSLATION.—Exercises under IV, pages 1-21.

GRAMMAR.—Declensions of adjective finished; declension of personal pronoun; conjugation of „sein," „haben," „werden" (indicative), and prepositions governing the dative.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with written exercises.

SECOND HALF YEAR.

READING.—Kreis IV, page 61 to end.

TRANSLATION.—Exercises under IV, pages 21–41.

GRAMMAR.—Review the preceding grades. Teach declension and use of relative and interrogative pronouns, entire conjugation of the auxiliaries and regular verbs, prepositions governing the accusative.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with written exercises.

SIXTH GRADE. SIXTH YEAR.

FIRST HALF YEAR.

READING.—Selections from Kreis V.

TRANSLATION.—From Kreis V, part second, to page 123.

GRAMMAR.—Review. Teach separable, inseparable, reflective, impersonal and irregular verbs. Prepositions with genitive and dative, or accusative. Simple sentences.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Teach from written exercises.

SECOND HALF YEAR.

READING.—Selections from Kreis V.

TRANSLATION.—From Kreis V, second part, to page 134, inclusive.

GRAMMAR.—Review preceding grades. Easy compound and complex sentences.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—To be taught daily in connection with all written exercises.

SEVENTH GRADE. SEVENTH YEAR.

FIRST HALF YEAR.

READING.—Selections from Kreis VI, pages 1–65.

TRANSLATION.—From second part of Kreis VI, pages 128–141 (omitting lessons 13, 18, 19).

GRAMMAR.—Review. Complex sentences continued; compound sentences; punctuation.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with all written exercises.

SECOND HALF YEAR.

READING.—Selections from Kreis VI, pages 65–127.

TRANSLATION.—From second part of Kreis VI, pages 141–155 (omitting lessons 28–33).

GRAMMAR.—Complex and compound sentences continued. Order of words in sentence. Punctuation.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with all written exercises.

EIGHTH GRADE. EIGHTH YEAR.

FIRST HALF YEAR.

TRANSLATION.—From second part of Kreis VII., lessons 1, 2, 3, 5, 8 11, 12, 14, 15, 17, 18, 23.

GRAMMAR.—Analysis—substantive, adjective and adverbial clauses. Review.

RECITATION.—Appropriate selections from Kreis VII. (Lyric and Epic poetry, pages 125–154).

N. B.—A short sketch of the author's life should be given by the teacher.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with all written exercises.

SECOND HALF YEAR.

TRANSLATION.—Kreis VII, from lessons 25, 29, 31, 37, 39, 66, 69, 72, 78, 81, 82, 84, 87.

GRAMMAR.—General review. Rendering of the English participle, modal auxiliaries and their English equivalents, passive voice, etc., E. g.—"No stopping here!" "It is to be hoped he will pass his examination." "They spoke of his owing them a large sum of money." "I was followed." "He is to be induced to sign the note." "What are you going to do with it?" etc., (c. f. pp. 231–233 of reader).

READING.—Selections from Kreis VII.

RECITATION.—(German drama, &c.) Models on pp. 148–154, Kreis VII.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with all written exercises.

N. B.—Spelling is to be taught in each of the grades in connection with all written exercises.

LIST OF BOOKS

— USED IN THE —

PUBLIC SCHOOLS.

FOR BALTIMORE CITY COLLEGE.

Allen & Greenough—Ovid.
Allen (F. D.)—Euripides' Medea.
Allen (W. F.)—New Latin composition.
Alexander—Moral science.
Alden—Science of government.
Boise—Homer's Iliad (first six books).
Bolmar (A.)—French verbs.
Brandt—German grammar.
Barker—College chemistry.
Brooks—Higher arithmetic.
Bowser—Analytical geometry.
Chase (R. H.)—Maclean's Horace.
Chase & Stuart—Virgil's Æneid.
do Horace.
do Cæsar's Commentaries.
do Sallust.
do Cicero's orations, with lexicon.
do Livy.
Collier (W. F.)—History of the British Empire.
Crittenden—Blanks for new elementary book-keeping.
DeFivas—Elementary French reader.
Dana—Text book of geology (revised).
Dulany—Martin's elementary human body.
do Bill of Rights and Constitution of Maryland.

Eliot & Storer—Qualitative chemical analysis.
Ely—Political economy.
Fleming & Tibbins—French dictionary (abridged).
Flagg—Demosthenes' Hellenic Orations.
Goethe—Egmont.
Goodwin (W. W.)—Greek grammar.
do Greek reader.
Gildersleeve—Latin grammar.
do Latin reader.
do New Latin primer.
do Latin exercise book.
Gage—Elements of physics.
Harper—Herodotus (cloth, 2 vols.).
Harrington (C. S.)—Plautus.
Haven (J.)—Mental Philosophy.
Heath—New German dictionary.
Hepburn—Manual of rhetoric.
Joynes—Schiller's *Der Geisterseher*.
Joynes-Otto—Introductory German lessons.
Jones—Exercises in Greek prose composition.
Johnston—United States History.
Kendrick (A. C.)—Xenophon's Anabasis, with vocabulary.
Kendrick (J. B.)—Greek at sight.
Keetel—French series.
Liddell & Scott—Greek-English lexicon (abridged).
Lessing—Minna von Barnhelm (students' classic German plays).
Lounsbury—English language (hand books for students).
Lockyer—Astronomy.
Loomis (E.)—Calculus.
Myers & Allen—Ancient history, part I.
Lippincott—Gazetteer of the world, with supplement (sheep).
Noel & Chapsal—French literature.
Norton—Natural philosophy.
Newell—Revised sixth reader.
Ollendorff—French method (Value).
Olney—General geometry and calculus.

Packard—New manual of book-keeping and correspondence.
Prang—Drawing books, manuals and teachers' assistants.
Quackenbos—Advanced composition and rhetoric.
do History of U. S. for schools.
do First lessons in composition.
Remsen—Organic chemistry.
do Briefer course in chemistry (Am. Sci. series).
Ray—New higher algebra.
Shepherd (H E.)—History of the English language (revised).
Schiller—Neffe als Onkel (revised edition—Allyn & Bacon).
do William Tell (W. D. Whitney).
Smith—Smaller history of Rome (students' series).
do History of Greece. do
Spencerian—Copy books.
Spiers & Surenne—French dictionary (abridged).
Shaw (T. B.)—New history of English literature.
Sargent—Standard Speaker.
Tyler (W. S.)—Tacitus' histories.
Tomlinson—Latin for sight reading.
Upham—Mental philosophy (abridged).
Van Daell—Heine's *Die Harzreise.*
Voltaire—History of Charles XII.
White (J. W.)—First lessons in Greek.
White (J. T.)—Latin-English and English-Latin lexicon.
Whitney (W. D.)—Brief German grammar.
do Essentials of English grammar.
Westlake—How to write letters.
Wentworth (G. A.)—Plane and solid geometry (revised).
do Plane and spherical trigonometry and surveying, with tables.
Wentworth (G. A.)—Surveying and navigation with tables.
Webster—High school dictionary.
do International dictionary.
Zacho—New American speaker.

FOR FEMALE HIGH SCHOOLS.

Anderson (J. J.)—Manual of history.
do School history of England.
do School history of France.
do Popular school history of U. S.
Adler—Progressive German reader.
Bain—Composition and rhetoric.
Boyd—Annotated poets—Milton.
do do Thomson.
Brooks (E.)—Geometry and trigonometry.
Caswell & Ryan—Book II. (Barcarolle).
Crittenden—Blanks for new elementary book-keeping.
Dulany—Martin's elementary human body.
Fasquelle—French reader.
do Larger French course.
do Introductory French course.
Harvey—English grammar.
Joynes–Otto—Introductory German lessons.
Keetel—French series.
Lockyer—Astronomy.
Lippincott—Gazetteer of the world, with supplement (sheep).
Murdoch—Analytic elocution.
Mason—Fourth music reader—revised—Nat. music course.
Norton—(S. A.)—Elements of physics.
do Natural philosophy.
Newell (M. A.)—Revised fifth and sixth readers.
Pinney—Progressive French reader.
Packard—New manual of book-keeping and correspondence.
Prang—Drawing books, manuals and teachers' assistants.
Quackenbos—Higher arithmetic.
do Practical arithmetic.
do Advanced composition and rhetoric.
Ray—New elementary algebra.
Spiers & Surenne—French dictionary (abridged).
Shaw (T. B.)—Outlines of English literature.
do New history of English literature.

Upham—Mental philosophy (abridged).
Whitney (W. D.)—Brief German grammar.
Westlake—Common school literature.
Webb—Model etymology (new edition).
Webster—High school dictionary.
do International dictionary.

FOR BALTIMORE MANUAL TRAINING SCHOOL.

Anderson—New manual of general history.
Peck—Ganot's popular physics (revised).
Other books as required.

FOR THE GRAMMAR GRADES.

Appleton—Standard elementary geography.
do Standard higher geography (Md. ed.)
do Numbers applied.
Bibles (12 mo. sheep).
do (Douay).
Bert—First steps in scientific knowledge, parts IV and V.
*Brooks—New mental arithmetic.
Creery (W. R.)—Catechism of U. S. history.
Davies (C.)—Geometry and trigonometry.
Dulany—School history of Maryland.
do Bill of Rights and Constitution of Maryland.
do Child's Health Primer (for fourth grade as supplementary reader).
do Standard physiology.
do Martin's elementary human body.
Gem—Song book.
Harvey—Revised English grammar (for eighth grade).
do Revised elementary grammar.
do Language lessons.
Johnston—Outline maps E. & W. H.; U. S., Mex. and Canada; Europe; N. & S. A.; Asia; Africa; Mercator's projection.
Lippincott—Gazetteer of the world, with supplement (sheep).

*For teachers.

Mason—Second and third music readers—Nat. music course.
do Music chart—Nat. music course.
Meservey—Single entry book-keeping and blanks.
Mayhew—Eclectic book-keeping.
Newell (M. A.)—Revised third, fourth, fifth and sixth readers.
Newell & Creery—Grammar school speller.
New Graded—Fourth, fifth, and Cathcart's literary, readers—American Educational.
*Powell—How to talk.
P. D & S.—System of penmanship.
Prang—System of drawing.
Peabody—Fourth, fifth and sixth readers.
Quackenbos—History of U. S. for schools.
do First lessons in composition.
Ray—New elementary algebra.
*Southworth & Goddard—Elements of composition and grammar.
Swinton—New language lessons.
do Language primer.
do Third, fourth and fifth readers.
*Smart—Free gymnastics (for female grades).
Sunshine—Song book.
Testaments (32 mo. cloth).
do (Douay).
Webster—International dictionary.
do Common school dictionary.
*Whitney & Knox—Elementary lessons in English, teachers' edition.

FOR THE PRIMARY GRADES.

Appleton—Standard elementary geography.
do First lessons in arithmetic.
do Reading chart.
Butler—Reading chart.
Bibles (12 mo. sheep).
do (Douay).

*For teachers.

*Brooks—New mental arithmetic.
Fisher—A B C chart and cards.
do Table cards.
Gem—Song book.
Johnston—Outline maps, E. & W. H.; U. S., Mex. and Canada.
Mason—First music reader—Nat. music course.
do Music chart.
Monroe (L. B.)—Reading chart.
McGuffey—Reading chart.
Newell (M. A.)—Revised first, second and third readers.
New Graded—Readers I, II, III.—Am. educational.
Newell & Creery—Primary school speller.
P. D. & S.—System of penmanship.
Prang—System of drawing.
Peabody—Primer, infant, first, second and third readers.
Swinton—Primer, first, second and third readers.
*Smart—Free gymnastics.
Sunshine—Song book.
Testaments (32 mo. cloth).
do (Douay).
*Whitney & Knox—Elementary lessons in English, teachers' edition.
†Wentworth & Reed—First steps in numbers, teachers' edition.
Webster—National pictorial dictionary.
do Primary dictionary.

FOR THE ENGLISH-GERMAN SCHOOLS.

Goebel (L)—Primer, II and III text books.
Klemm—German text books (Kreis)—IV, V, VI, VII.
Payson—German copy books.

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*For teachers.
†For teachers of the first grade.

List of Stationery, &c.

FOR ALL THE SCHOOLS.

Composition (or plain copy) books, 40 pages.
"D" slates, round corners, 6x9, 7x11, 8x12.
Ink wells, with or without covers.
Lead pencils—Faber, Eagle, Dixon H. S., and Eagle Compass.
Erasive rubbers—Eagle Nos. 1096 and 1076.
Black-board rubbers—Coughlin No. 4, and National No. 2.
Whiting Mills paper (cap, 12 lbs.; letter, 10 lbs.; note, 6 lbs.).
Manilla paper for drawing (40 lbs.).
Envelopes—Buff and white, small and large sizes.
Slate pencils—German, 5½ in.; soapstone, 6 in., and Eagle (in wood).
Steel pens—Gillott's genuine, Nos. 303 and 404; Esterbrook's school, No. 333; Spencerian, Nos. 1, 5 and 15.
Penholders—Eagle, Nos. 2411 and 2712; Faber, Nos. 2440 and 2560.
Chalk crayons—Parmenter's, N. Y. Crayon Co.'s and colored.
Mucilage—Stickwell's.
Ink—Maynard & Noyes' American Standard Ink Co.'s fluid and violet, Stafford's universal black and commercial, Duval's black and violet.
Gongs—B. & H.—Principals' No. 2400; assistants' No. 2100.
Teachers' inkstands, with racks.
Roll books.
Knives for sharpening pencils—Eagle No. 2300.
Ink vents.
Recess bells.

EXTRACTS FROM STATUTES

RELATING TO THE

Public Schools of Baltimore City.

(Public Local Laws, 1888, Article IV.)

776. The Mayor and City Council of Baltimore shall have full power and authority to establish in said city a system of free public schools, which shall include a school or schools for manual or industrial training, under such ordinances, rules and regulations as they may deem fit and proper to enact and prescribe: they may delegate supervisory powers and control to a Board of Public School Commissioners; may prescribe rules for building school houses, and locating, establishing and closing schools, and may in general do every act that may be necessary or proper in the premises.

777. The Board of Commissioners of Public Schools of Baltimore City shall have power to examine, appoint and remove teachers, prescribe the qualifications, fix the salaries subject to approval of the Mayor and City Council, and select text books for the schools of said city; provided such text books shall contain nothing of a sectarian or partisan character. They shall annually make a report to the State Board of Education of the condition of the schools under their charge, to include a statement of expenditures, the number of children taught, and such other statistical information as may be necessary to exhibit the operation of the schools * * * * * * * *

778. The Mayor and City Council of Baltimore shall have power and authority to make all ordinances for the protection of the school houses and property, and to punish any person who may disturb the sessions of said public schools.

779. They are hereby authorized and empowered to levy and collect upon the assessable property in said city, as other taxes are levied and collected, such amount of taxes as may be necessary to defray all the expenses incurred for educational purposes by them.

780. The Treasurer, on the warrant of the Comptroller, shall pay to the Mayor and City Council the proportion of the free school fund to which said city is entitled.

INTESTATES' ESTATES.

781. The Orphans' Court of said city shall order and direct the fund arising from intestates' estates that may be administered upon in said court, and which remain undistributed for want of legal representatives of the intestates to claim the same, to be paid to the Board of Commissioners of Public Schools.

782. The court shall not make such order until they shall be satisfied that the intestate left no legal representative living at the time of his or her death, and they shall cause the administrator of such estates to give notice, by advertisement to be inserted for such periods of time and in newspapers published in such places as they may deem necessary, that upon default of the appearance of any legal representative of the intestate by a certain day to be fixed by the court, and named in said advertisement, the estate of said intestate will be paid to the Commissioners of Public Schools.

783. They shall, upon passing an order directing such payment, require from the treasurer of the Board of Commissioners of Public Schools, or any other officer who may be appointed by the

said Board of Commissioners or the Mayor and City Council of said city, to receive such funds, a receipt and release to the administrator for the same.

784. The release shall contain an obligation that the said funds shall be applied by the Board of Commissioners of Public Schools, to the use and support of the public schools of the city of Baltimore, and shall be recorded and preserved in said court as other records are.

(Public General Laws, 1888, Article XLIII).

31. No teacher in any school shall receive into such school any person as a scholar, until such person shall produce the certificate of some regular practicing physician, that such an applicant for admission into the school has been duly vaccinated. Any teacher so offending shall on conviction thereof, forfeit and pay a fine of ten dollars for each offence, and no public school trustee or commissioner shall grant a permit to any child to enter any public school without such certificate, under the same penalty.

(Article LXXVII).

40. The nature of alcoholic drinks and narcotics, with special instruction as to their effects upon the human system, in connection with the several divisions of the subject of physiology and hygiene, shall be included in the branches of study taught in the common schools, and shall be taught to and studied by all pupils whose capacity will admit of it in all departments of the public schools of the State, and in all educational institutions supported wholly or in part by money from the State. * * * The text books must be published, printed and sold in the State of Maryland.

EXTRACTS FROM ORDINANCES

RELATING TO THE

Public Schools of Baltimore City.

COMMISSIONERS OF PUBLIC SCHOOLS.

1. There shall be appointed by the two Branches of the City Council, in convention assembled, at the times and in the manner prescribed in Sections 2 and 3 hereof, twenty persons, to be called Commissioners of Public Schools, one commissioner to be selected from each of the several wards of the city; and said commissioners shall continue in office for the terms as prescribed in Sections 2 and 3 hereof; provided, that if any commissioner shall remove from the ward from which he was appointed before the expiration of his term of office, then his place in the board shall be declared vacant, and the board may declare vacant the place of any commissioner who shall absent himself from three successive stated meetings of the board, without showing satisfactory case for his non-attendance, after having been duly notified of the same.

(By ordinance approved May 2, 1888, it was enacted and ordained, "That from and after the passage of this ordinance the Mayor of the City of Baltimore shall be always *ex-officio* a member of the Board of Commissioners of Public Schools of said city.")

2. The Commissioners of Public Schools who shall be appointed in the month of February, 1877, shall be appointed for one, two, three and four years, which several terms of service

shall be determined by lot at the first meeting and immediately after their organization by the election of a President and Secretary, as provided by Section 5 hereof; the members severally appointed for the First, Second, Third and Fourth Wards shall draw lots for their terms of service, which terms shall be one, two, three and four years respectively, as fixed by the lot then drawn; and the several members for each succeeding four wards, the wards being taken in numerical order, shall determine their terms of service in the same manner as aforesaid.

3. In the month of February, in each succeeding year, the First and Second Branches of the City Council, in convention assembled, shall elect school commissioners in place of those only whose term of office shall at that time expire, and the commissioners elected, as prescribed by this section, shall continue in office for four years.

4. The First and Second Branches of the City Council, in convention assembled, shall have power to expel a member of the Board of Commissioners of Public Schools, either for persistent neglect of duty or for conduct unbecoming a School Commissioner. Should any vacancy occur in the board by removal, resignation, death or otherwise, the unexpired term shall be filled in the same manner as provided by the preceding sections hereof.

5. Said commissioners shall meet within ten days after their election, and at their first meeting they shall proceed to the election of president from their own board, to be chosen by a majority of the whole body; also a person to act as secretary, who shall serve for one year, unless sooner removed by the board, and who shall have charge of the rooms, books, papers and documents of the board, and shall perform such clerical duties as may be required of him by its members or committees; the board shall assign the duties to be performed by him, and shall fix his salary, subject to the approval of the two Branches of the City Council.

If a vacancy should occur in the office of secretary from any cause whatever, it shall be the duty of the board to elect a person to fill said vacancy as soon as it can conveniently be done; and in all cases a majority of the commissioners shall constitute a quorum for the transaction of business.

6. Whenever a vacancy or vacancies shall occur in the Board of Commissioners of Public Schools during the session of the City Council, it shall be the duty of the president of the board to inform the Mayor of such vacancy or vacancies, who shall communicate the same to the First and Second Branches of the City Council, who shall proceed in convention, according to their respective rules, to fill said vacancy or vacancies. If a vacancy or vacancies shall occur during the recess of the City Council, by death, resignation or otherwise, it shall be the duty of the board to fill the same as soon as may be convenient, the person or persons so elected to serve until the next session of the City Council.

7. There shall be appointed by the board a suitable person to be the Superintendent of Public Instruction for the City of Baltimore, who shall be a resident of the city of Baltimore, of literary and scientific acquirements and of skill and experience in the art of teaching, and who shall serve for the term of four years, unless sooner removed by the board. It shall be the duty of the superintendent to devote his time and attention entirely to the general supervision of the public schools of the city, subject to such rules and regulations as the Board of School Commissioners may establish. It shall especially be the duty of the superintendent to visit every school under the charge of the Board of Commissioners of Public Schools as often as once in each quarterly session, or four times during the academic year, to examine into its respective studies and to inquire into all matters relating to the government of the schools, such as its curriculum of studies, discipline and course of instruction pursued therein, the text-books that are used, the condition of the school houses, and to make a monthly report of the matters thus specified to the Board of Commissioners of Public Schools.

8. There shall be appointed by the said board a suitable person to be the Assistant Superintendent of Public Schools, who shall be a resident of the city of Baltimore, of skill and experience in the art of teaching, and whose term of office shall be concurrent with that of the superintendent.

9. It shall be the duty of such assistant superintendent of the public schools to aid the superintendent in the supervision of the public schools of the city ; he shall visit the primary schools as often as his duties will permit, and make a report of such visits to the superintendent; he shall assist in the examination of the quarterly reports of teachers, in the preparation of the questions for the semi-annual examination of the classes of the primary and grammar schools, and be subject to such rules and regulations as the Board of Commissioners of Public Schools may establish.

10. In order to advance the interests of the schools committed to his charge, the superintendent, in conjunction with a committee of three members of the school board, shall, in the forms prescribed by the board, examine into and ascertain the qualifications of applicants for the situation of teachers, and re-examine, if necessary, any of the teachers employed in the schools under the charge of the board ; and in order further to promote the cause of sound education, and to elevate the character and qualifications of the teachers, the superintendent shall, by all the means in his power, counsel and advise with the teachers in relation to their duties, the proper classification of studies, the best methods of imparting instruction, and, in general, as to the proper discipline and management of the schools under their charge.

11. The salary of the superintendent shall be fixed by the Board of Commissioners of Public Schools, subject to the approval of the two Branches of the City Council ; and he shall make annually a report in writing, to the Mayor and City Council, of all matters of interest or importance in connection with the

schools; and shall also, when requested, furnish to the Board of Commissioners of Public Schools of the city a written statement, showing the number of schools in the city, the number of pupils under instruction and the teachers employed therein, with such additional information in respect to the matters above specified as may be deemed advisable and necessary.

12. The salary of the assistant superintendent shall be fixed by the Board of Commissioners of Public Schools, subject to the approval of the Mayor and City Council.

13. The Register is authorized to receive, through the secretary of the board, all moneys from the teachers, and all other funds due the school board, and pay out of the funds standing in the treasury of the city to the credit of the public schools any orders that are provided for in the levy for school purposes, after having been examined by the committee on accounts and passed by the board, signed by the president and countersigned by the secretary of the Board of Commissioners of Public Schools.

14. The said Board of Commissioners of Public Schools shall have charge of the public schools in operation in the city of Baltimore, and of all such as may be in operation during their continuance in office; and it shall be their duty to employ teachers and determine their salaries; to prescribe the courses of study and the books to be used; to make all such by-laws for their own government and all such rules and regulations for the management of the schools as they may deem expedient, and to modify and repeal the same at their pleasure; provided that such by-laws, rules and regulations so made or modified be not inconsistent with the laws of the State or the ordinances of the city. And it shall further be the duty of said board, at such time as other city officers are required to report, to report to the Mayor and City Council a statement of their transactions, with an account of their receipts and expenditures during the year last passed, and their resources for the year then commenced.

15. The Commissioners of Public Schools shall have charge of all the buildings used for school purposes, and they are hereby authorized to make all necessary repairs in the school houses of the city, provided the same shall not exceed the sum of three hundred dollars.

16. The said board is authorized and directed to rent out, except for political purposes, for such compensation as to them may seem just and reasonable, the main halls in the Eastern and Western Female High School buildings, for public purposes, at such times and under such regulations as to them may appear right and proper; provided, the same shall not be rented so as to interfere with or interrupt the regular exercises of the schools.

17. The revenue derived therefrom, as provided in the preceding section, shall be accounted for by the said board and paid over by them to the Register, who is directed to place the same to the credit of the public school fund.

18. The said board shall not employ in building, repairing or improving, or in furnishing stationery or any other kind of supplies, any member of said board; nor shall any member of said board be interested, directly or indirectly, in any contract whatever for the use of the public schools.

19. The salaries of the superintendent, assistant superintendent and secretary of the board, and of the teachers and all other persons permanently employed by the Commissioners of Public Schools shall be paid monthly, on the last day of each month, by the City Register; and he is hereby authorized, in case of any deficiency in the collection of the school fund, or in anticipation of the levy for the same, to advance, from time to time, to said fund, such sums as shall be required for the payment of said salaries at the time when they shall be due.

20. There shall be no charge for tuition or for the use of books and stationery in any of the public schools, but it shall be

the duty of the commissioners to furnish, free of all cost to the pupils and their parents, all the necessary tuition and the use of books and stationery for the several schools, and in general whatever fuel or other supplies the schools may require—the same to be paid for from the public school fund. (Ordinance as approved October 6, 1884).

21. The public schools of Baltimore are designed exclusively for the education of those pupils whose parents, or in the case of orphans, whose guardians are citizens of Baltimore, or residents of Baltimore with a *bona fide* intention to become citizens.

22. The Board of Commissioners of Public Schools are hereby directed, before admitting the children of non-resident parents or guardians into the public schools of the City of Baltimore, to charge such parents or guardians the following amounts, viz.: For admission to the Baltimore City College, per capita, twelve dollars and fifty cents per quarter; for admission to the Female High Schools, per capita, eight dollars per quarter; for admission to Grammar Schools, per capita, four dollars per quarter; for admission to Primary Schools, per capita, three dollars per quarter; the said amount to be paid invariably in advance, and to be paid by the School Commissioners to the Register of the City for account of the school fund; provided, however, that nothing herein contained shall be so construed as to prevent the free admission into said schools of the children of registered voters of the city who are employed by the city, in or about Druid Hill Park or the water works there situate, and who reside beyond the city limits. (Ordinance as approved April 20, 1887).

23. The Commissioners of Public Schools shall not admit any book or books into use in the public schools, or discontinue the use of the same after having been admitted, unless said admission or discontinuance be approved by a vote of a majority of the entire board in session assembled at a regular meeting of said board.

24. The said Commissioners of Public Schools are hereby authorized to receive all devises, bequests and donations which may be made for the benefit of said public schools, and all devises, bequests and donations received by said commissioners, by virtue either of this section or of any Act or Acts of the General Assembly of Maryland, shall be paid over by them to the Register of the City, who shall place the same to the credit of the school fund; and if any condition or conditions be prescribed in any such devise, bequest or donation, the same shall be applied under the direction of said commissioners, with the sanction of the Mayor and City Council, agreeably to the intention of the testator or donor, and if no condition be prescribed in any such devise, bequest or donation, it shall not be lawful for said commissioners to draw all or any part of the amount thereof out of the city treasury during the year in which it was received, unless the collections from the resources and levy of the school fund for said year should fall short of the estimated expenditures forming the basis of said levy, or unless it shall have been already allowed in the estimated resources of the fund for said year; otherwise the same shall be included in the estimate of the ensuing year. (See ordinance approved September 22, 1883.)

25. The Register of the City shall demand and receive, from time to time, from the Treasurer of Maryland, from the Orphans' Court of Baltimore City, from the Commissioners of Finance, and from the Collector of the City, all such sum or sums of money as may be in their hands for the support and benefit of the public schools of the city, and he shall place the same to the credit of the public school fund.

26. All assessments for paving or repaving in front of any of the public schools or lots of ground attached thereto, and also all assessments of benefits for opening or widening any street or streets, so far as the public schools may be interested, shall be paid by the Register out of any unappropriated money in the treasury.

27. It shall not be lawful for said Board of Commissioners of Public Schools to exceed in their expenditures the amount annually appropriated therefor by the City Council; and it shall be their duty to apply the same exclusively to the several purposes, and as far as practicable, in the proportion specified in the statement of estimated expenses, on which said City Council shall have based the school fund levy for the year.

28. The Male Public High School of Baltimore shall be styled the Baltimore City College; and whenever any of the pupils of said school shall have satisfactorily completed the prescribed term and course of instruction, the Commissioners of Public Schools shall have power to confer on them testimonials in form as follows, viz: This certificate is given to ——— ———, a pupil of the Baltimore City College, in testimony that he has pursued and satisfactorily completed the studies of the —— course of —— years; and said testimonials shall be signed by the president of the board, by the Mayor of the City, with the seal of the city attached, by the committee on the Baltimore City College, and by the principal, vice-principal and professors of said college.

29. Said Commissioners of Public Schools are authorized to cause said testimonials to be engraved on copper, or lithographed, with a suitable vignette, the expenses necessarily connected with the preparation of said testimonials to be paid from the school fund; provided that no commissioner or teacher shall ever charge or receive any fee or compensation for so signing said testimonials.

30. Said Commissioners of Public Schools shall have power to confer testimonials on pupils of the Eastern and Western Female High Schools, in conformity with the requisitions and provisions of the preceding two sections.

Said Commissioners of Public Schools shall have power to confer upon pupils of the colored schools, who shall satisfactorily

complete the term and course of instruction prescribed for pupils of the Colored High School, testimonials as conferred upon pupils of Baltimore City College and the Female High Schools. (Approved June 8, 1889).

31. Whenever any pupil shall leave any of the high schools without having completed the prescribed term and course of instruction, then, and in such cases, said commissioners shall have power to confer such testimonials on said pupils as said commissioners may deem to be proper and appropriate to the occasion.

SCHOOLS FOR COLORED CHILDREN.

38. It is hereby made the duty of the Board of Commissioners of Public Schools of the City of Baltimore to organize separate schools for colored children, and to establish as many schools for the education of colored children of Baltimore city as may, in the judgment of said board, be necessary.

39. The schools to be established in accordance with the provisions of this ordinance shall be subject to such rules and regulations as may be prescribed by the said board in its discretion.

LIBRARIES.

41. There shall be established at the Baltimore City College, and at each of the two Female High Schools, a library for their use, without charge, under such regulations as may be adopted by the Board of Commissioners of Public Schools.

42. The selection of the books, which shall be only of an instructive and moral character, shall be made by the said commissioners, or a committee appointed by them for the purpose, and no book deemed by them to be injurious to the morals of the pupils, or of a sectarian character, whether obtained by purchase or donation, shall be admitted in said libraries; and all books

purchased under any future ordinance or resolution of the City Council or otherwise, for this purpose, shall be subject to the restrictions herein contained.

PEABODY PRIZES.

43. The Commissioners of Public Schools of the City of Baltimore are hereby authorized to accept and receive the premiums given by the Trustees of the Peabody Institute to the Baltimore City College and the Female High Schools, as specified in Mr. Peabody's letter to his trustees, and to have the same distributed from time to time in such a manner as they shall deem most conducive to the benefit of the schools and the objects of the donor.

MANUAL TRAINING SCHOOL.

AN ORDINANCE APPROVED OCTOBER 20, 1883, ENACTS AS FOLLOWS:

That the Board of Commissioners of Public Schools of Baltimore City be, and they are hereby, authorized and directed to establish in the city of Baltimore, in some convenient locality, as near the centre of the city as possible, a school for manual training, under such name or title as said board shall select; that said school shall be open to the children of the citizens and *bona fide* residents of the city of Baltimore, and that the admission to said school shall be regulated by the law now existing for the admission of pupils to the public schools of the city of Baltimore, except in so far as changed by this ordinance; that the age and qualifications for admission to said school shall be fixed and prescribed by the said school board; provided, that the fee for the use of tools and materials for pupils who are the children of residents or citizens of Baltimore shall not exceed one dollar each per scholastic quarter; that pupils from other places may be admitted to said school upon such terms and conditions and upon payment of such fees as said board shall prescribe.

INTESTATES' ESTATES.

(Ordinance Approved September 22, 1883.)

Section 1. Be it enacted and ordained by the Mayor and City Council of Baltimore, That all funds which, from and after the approval or final passage of this ordinance, shall be paid to or received by the City Register, or in any other way, or through any other person or persons, passed over and transferred to the Mayor and City Council of Baltimore, pursuant to the provisions of Sections 6, 7, 8 and 9 of Article XLIII of the Baltimore City Code, title "Schools," sub-title "Statutes," sub-division "Orphans' Court," and of Section 25 of said article, sub-title "Ordinances," sub-division "Commissioners of Public Schools," shall be held subject to the order of the Board of Commissioners of Public Schools of the City of Baltimore, in like manner as the funds derived from taxation for said purposes are held, and such funds as may be thus received are hereby declared to be a separate and distinct revenue, to be applied to the use and support of the public schools, in addition to the annual tax levied and the annual appropriation made for that purpose.

Sec. 2. And be it further enacted and ordained, That it shall be the duty of the City Register to notify and inform the Board of Commissioners of Public Schools, by a communication in writing, whenever any funds arising from the aforesaid source shall be hereafter received by him, and the amount of the same.

Sec. 3. And be it further enacted and ordained, That whenever said Commissioners of Public Schools shall intend to apply any portion or all of the aforesaid funds hereafter received from intestates' estates, the warrant or order drawn for said funds or any portion thereof, shall show upon its face that it is drawn upon said funds, and it shall be the duty of the City Comptroller and the City Register to keep a separate account of all receipts and disbursements for said special and specific fund.

AN ORDINANCE TO PREVENT THE SPREAD OF DISEASE.

Approved February 21, 1880, enacts as follows:

That it shall be the duty of all physicians who may be in attendance in any family whose child or children may be attending any of the public schools of this city, which family may have a case or cases of scarlet fever, diphtheria, measles, small-pox, chicken-pox, whooping cough, or any other contagious disease, to give a certificate of the same to the parents or parent of the child or children so diseased as soon as the disease is developed; and it shall be the duty of the parents or parent, as soon as the physician certifies that contagious disease exists in his, her or their house, to notify the principal of the school attended by his, her or their children within twenty-four hours. That if there be no physician attending in cases of disease mentioned in this ordinance, it shall be the duty of the parents or parent to report the disease to the principal of the school attended by his, her or their child or children within twenty-four hours from the time the disease is known to be contagious. That if any parent or physician shall notify any public school teacher of the city that any contagious disease exists in any family whose child or children are attending any of the public schools of this city, then it shall be the duty of the principal of the school to exclude the child or children of said family from the school until the attending physician certifies that all danger from contagion has passed. That if any teacher or teachers reside, board or lodge in any house where a child or children in such house is suffering with any contagious disease, of which fact the said teacher has been cognizant, then it shall be the duty of said teacher to certify to the same to a member of the school board, and such teacher shall not perform his or her duties in any public school in this city until a physician attending such case or cases of contagious disease shall certify that all danger from contagion has passed. (Failure to comply with the provisions of this ordinance will subject the offender to a fine of ten dollars).

Ordinance No. 119 of May 25, 1880, enacts as follows:

When scarlet fever, diphtheria, measles, small-pox, chicken-pox, whooping cough, or any other contagions disease, has existed in any family whose child or children have been attending any of the public schools of the city, which child or children had not been attended by any practicing physician, then it shall be the duty of any vaccine physician who may be applied to for a certificate that all danger from contagion has passed, to visit the premises, if in his district, where said child or children had been sick, and if there should exist no danger from contagion he should give the certificate applied for free of charge.

(See also the Statute relating to vaccination).

AN ORDINANCE TO AUTHORIZE THE BOARD OF SCHOOL COMMISSIONERS TO APPOINT A SUPERINTENDENT OF SUPPLIES.

Approved April 8, 1886, enacts:

That the Board of School Commissioners be, and they are hereby, authorized and directed to appoint, annually at the same time that the secretary of the said board is elected, a suitable person, a citizen of Baltimore, who shall be known as the Superintendent of Supplies. That it shall be his duty, under the instructions from the Board of School Commissioners, to supervise, take care of, and have general control of all furniture, stoves, furnaces, fuel, repairs and other incidental supplies which are now in possession of the board, or which may be purchased by order of the board, be responsible to the board for their condition, and report from time to time as the board may direct, and perform such other duties with reference thereto as may be required by the board.

PURCHASE OF SUPPLIES.

AN ORDINANCE, APPROVED APRIL 1, 1891, REPEALS THE ORDINANCE OF APRIL 27, 1886, AND ENACTS AS FOLLOWS:

That the Board of Commissioners of Public Schools shall advertise for proposals in the purchase of all supplies for said schools to the amount of fifty dollars and over, and that said proposals shall be opened in the presence of the City Comptroller, the City Register and a Committee of said Board, who together shall constitute a board to award all contracts except those for musical instruments, which shall be awarded as follows: The said Board of Commissioners of Public Schools, or its committee on music, shall select not less than three responsible and reputable manufacturers of the class of instruments required, and shall designate by proper specifications the character and style of the instrument to be furnished, and shall receive bids from those selected, which shall be opened before the above board of award, and the said board of award shall award the contract, in its discretion, to the lowest, or next to the lowest bidder, for such a period as it may think proper, not to exceed five years. That in awarding all other contracts the committee of the Board of Commissioners of Public Schools shall have one vote, the Comptroller one vote, and the Register one vote; but in awarding contracts for musical instruments each member of the committee on music shall have one vote, the Comptroller one vote, and the Register one vote.

AN ORDINANCE TO AUTHORIZE THE BOARD OF SCHOOL COMMISSIONERS TO EMPLOY COLORED TEACHERS FOR SCHOOLS SET APART FOR COLORED YOUTHS.

(APPROVED MAY 3, 1888).

Section 1. Be it enacted and ordained by the Mayor and City Council of Baltimore, That the Board of School Commissioners be, and they are hereby, authorized and directed in all colored

schools to be hereafter established, and in all colored schools in any territory hereafter annexed to Baltimore city, to appoint teachers of the colored race as instructors in such public schools set apart for colored youths; provided that they be shown, by examination or such other test as is applied to white teachers, to possess the necessary moral and intellectual qualifications therefor.

Sec. 2. And be it further enacted and ordained, That it shall be the duty of the Superintendent of Public Schools to hold a public examination on or before September 1st, 1888, to which all colored applicants for teachers' positions may and shall be admitted, and to hold such other examinations as may from time to time be hereafter required.

Sec. 3. And be it further enacted and ordained, That all such applicants who pass a satisfactory examination shall be certified by the Superintendent of Public Schools to the Board of School Commissioners, and that said Board of School Commissioners shall appoint the persons so certified to positions as teachers in all colored schools hereafter established and set apart for the colored race, and also in all such schools in any territory hereafter annexed to Baltimore City.

Sec. 4. And be it further enacted and ordained, That the schools hereafter established for colored children shall be supplied with the colored applicants so certified to the extent of the number applying, before teachers of any other race shall be employed in such schools; provided, however, that in no case shall teachers of the white race be employed in any school in which colored teachers are employed.

Sec. 5. And be it further enacted and ordained, That the salaries paid to such colored teachers shall be equal to those now paid to white teachers for similar service in the colored schools.

Sec. 6. This ordinance to take effect at the beginning of the regular school session in September, 1888.

Sec. 7. And be it further enacted and ordained, That all ordinances or resolutions, or parts of ordinances or resolutions, inconsistent with this ordinance, be, and the same are hereby, repealed.

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REGISTER

—OF THE—

Corporation Officers

—OF—

BALTIMORE CITY,

FOR THE YEAR 1891.

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REGISTER

OF THE

Corporation Officers of Baltimore City,

FOR THE YEAR 1890-91.

Mayor's Office.

ROBERT C. DAVIDSON, *Mayor.*
WILLIAM H. LOVE, *Secretary to the Mayor.*
OTIS C. BROWNLEY, *Clerk to the Mayor.*
JOSEPH W. WHITEFORD, *City Messenger.*

Register's Office.

JOHN A. ROBB, *Register.*
J. SEWELL THOMAS, *Deputy Register.*
CHAS. M. GORDON, *Chief Clerk.*
HENRY DUVALL, JR., *Assistant Clerk.*
ROBERT D. CARTER, "
WILLIAM E. DAVIS, "

Comptroller's Office.

JAMES R. HORNER, *Comptroller.*
JOSEPH VANSANT, *Deputy Comptroller.*
J. HARRY DUVALL, *Chief Clerk.*
JOSEPH A. BONN, *Assistant Clerk.*
JAMES T. DORSEY, *License Detective.*

Law Department.

ALBERT RITCHIE, *City Counselor.*
WM. A. HAMMOND, *City Solicitor.*
JAMES W. McELROY, *Examiner of Titles.*

Members of First Branch City Council.

THOMAS W. MORSE, *President.*

First Ward.....Hanson P. Barnes.
Second Ward.....Andrew Brown.
Third Ward.....John H. Windfelder.
Fourth Ward.....Dr. Chas. M. Morfit.
Fifth Ward.....Gilles J. Shaw.
Sixth Ward.....George I. Eagleston.
Seventh Ward.....Thomas W. Morse.
Eighth Ward.....John F. Doyle.
Ninth Ward.....John F. Leonard.
Tenth Ward.....Dr. Louis C. Horn.
Eleventh Ward.....Harry S. Cummings.
Twelfth Ward.....Jasper M. Berry.
Thirteenth Ward.....John M. Jones.
Fourteenth Ward.....John T. Fahey.
Fifteenth Ward.....Daniel E. Clark.
Sixteenth Ward.....Emil Budnitz.
Seventeenth Ward.....Walter A. Cox.
Eighteenth Ward.....Frederick Spindler.
Nineteenth Ward.....Conway W. Sams.
Twentieth Ward.....John B. Bland.
Twenty-first Ward.....Charles H. S. Brannan.
Twenty-second Ward.....James H. Smith.

John Kelly, *Chief Clerk.*
Alexander M. Briscoe, *Assistant Clerk.*
Millard F. Taylor, *Committee Clerk.*
Charles H. Collins, *Sergeant-at-Arms.*
J. T. Murphy, P. F. Doyle, *Doorkeepers.*
Jesse F. Hall, *Page.*

Members of the Second Branch City Council.

HENRY SEIM, *President.*

First and Second Wards.....Philip T. Meagher.
Third and Fourth Wards .....Timothy Maloney.
Fifth and Sixth Wards.....John Betz, Jr.
Seventh and Eighth Wards.....Terrence McMahon.
Ninth and Tenth Wards ....Henry Seim.
Eleventh and Twelfth Wards ....J. Frank Supplee.
Thirteenth and Fourteenth Wards.Charles Selden.
Fifteenth and Sixteenth Wards...Michael Dundon.
Seventeenth & Eighteenth Wards.Henry C. Seebo.
Nineteenth and Twentieth Wards.Jos. C. Smith.
Twenty-first and Twenty-second Wards..... } Dr. J. B. Hart.

John M. Travers, *Chief Clerk.*
John McNeill, *Assistant Clerk.*
Jas. J. Flannery, *Committee Clerk.*
M. Farrell, *Sergeant-at-Arms.*
Joseph H. Krager, *Doorkeeper.*
Charles Stumpf, *Page.*

Department of Finance.

His Honor Robert C. Davidson, *Chairman.*
Enoch Pratt, W. W. Spence, Jr.

Tax Department.

Lewis N. Hopkins, *City Collector.*
J. T. M. Barnes, *Deputy City Collector.*
Richard G. Ducket, *Cashier.*
Clapham Murray, *Assistant Cashier.*
Charles Schwartzhaupt, *Bookkeeper.*

Tax Department—Continued.

W. C. Bordley, *General Cash Bookkeeper.*
Henry McGinnity, Jr., *Transfer Clerk.*
W. W. Lanahan, *Ledger Clerk.*
James K. Harwood, "
Thos. K. McCormick, "
Gover Kettlewell, "
J. Bosley Bond, "
Claude L. Goodwin, "
Jacob B. Waidner, "
Ridgely Duvall, "
Frank C. Plunkett, "
Frank P. Murphy, "
John T. Murphy, "
George W. Snyder, "
Ambrose M. Emory, *Ledger Clerk for Annex.*
Samuel W. Storm, " " "
John J. Potter, *Bailiff.*
Henry D. Weaver, "
Charles Kilian, "
Thos. F. McNulty, "
James F. Pearson, "
John J. Rock, "
James H. O'Neill, "
George N. Hughes, "
Richard F. Curtis, "
Louis Kroeger, "
Patrick Scanlon, "
Wm. J. Laughlin, "
J. H. F. Hiser, "

Tax Department—Continued.

Charles C. Egerton, *Bailiff.*
Charles M. Hope, "
Charles S. Moran, "
Geo. P. Hamlin, "
Francis Cutaiar, "
Samuel A. Clagett, "
Jos. P. Scott, "
David Binswanger, "
Jos. J. Peters, "
Geo. Vogelgesang, "
Joshua D. Taylor, "
Robert R. Kirkland, "
John T. Ross, "
Charles E. Key, "
Jos. R. Knight, "

Judges of Appeal Tax Court.

Wm. H. B. Fusselbaugh, E. J. Chaisty, Eugene T. Joyce.

H. P. Mowinckle, *Chief Clerk*
Michael H. Doyle, *Assistant Clerk.*
Michael P. Caughy, *Assessor.*
Elias Rosenbaum, "
Dr. Geo. W. Massamore, "
Francis X. Jenkins, *Clerk to Assessors.*

City Commissioner's Department.

Alfred E. Smyrk, *City Commissioner.*
Charles P. Kahler, *Assistant City Commissioner.*
Newton M. Gray, " " "
Charles A. Hook, " " "
John E. Toole, *Clerk.*

City Library.

George C. Wedderburn, *Librarian.*
John G. Scott, *Assistant Librarian.*

Inspector of Public Buildings' Office

J. Theodore Oster, *Inspector.*
Wm. Q. Caldwell, *Assistant Inspector.*
Wm. B. Wood, *Clerk.*

Commissioners for Opening Streets.

Bayly K. Kirkland,
Samuel F. Sharretts,
Louis Beck,
Robt. F. Green, *Clerk.*

Health Department.

Commissioner of Health and Registrar.
George H. Rohè, M. D.

Assistant Health Commissioner.
James F. McShane, M. D.

Resident Physician Quarantine Hospital, Port of Baltimore.
Sidney O. Heiskell, M. D.

Secretary.
A. Robert Carter.

Assistant Secretary.
George C. Vansant.

Health Department—Continued.

Assistant Registrar's Clerk and Assistant Permit Clerk.

Montgomery Lawrence.

Permit Clerk.

V. B. Hines.

Registrar's Clerk.

John T. Schroeder.

Nuisance Clerk.

R. T. Pennington.

Assistant Nuisance Clerk.

George N. Lewis.

Recorder of Births.

John T. Nolan.

Sanitary Inspectors.

Henry M. McKewen,
J. V. Fitzpatrick,
John E. Durding,
John M. De Goey,
John Long,
Frank J. Murphy.

Annex.

D. S. Williams, M. D.,
Wm. P. Kerns,
Lewis A. Thomas,
C. Carter Hall.

Vaccine Physicians.

1st and 2d Wards..... N. L. Dashiell, Jr., M. D.
3d and 4th Wards..... C. F. Maguire, M. D.
5th and 6th Wards..... John Davis, M. D.

Health Department—Continued.

7th and 8th Wards.....J. B. Saunders, M. D.
9th and 10th Wards.....August Horn, M. D.
11th and 12th Wards.....Thos. P. McCormick, M.D.
13th and 14th Wards.....Joseph C. Wunder, M.D.
15th and 16th Wards.....Joseph Blum, M. D.
17th and 18th Wards.....Henry Stark, M. D.
19th and 20th Wards.....M. K. Warner, M. D.
21st Ward.....J. B. Mullins, M. D.
22d Ward.....H. G. Prentiss, M. D.

Medical Examiner.
N. G. Keirle, M. D.

Assistant Medical Examiner.
J. B. Schwatka, M. D.

Keeper of the Morgue.
William H. Murphy.

Superintendent of East Baltimore Public Cemetery.
George Rinehart.

Superintendent of West Baltimore Public Cemetery.
George E. Brown.

Inspector of Plumbing.
John W. Lee.

Inspector of Eastern District Sewers.
Henry Paff.

Inspector of Southwestern District Sewers.
Mark F. Gorman.

Superintendent of Canton Dump.
James Quinn.

Health Department—Concluded.

Assistant Superintendent of Canton Dump.
Dennis Healy.

Superintendent of Spring Garden Dump..
Charles F. Ringold.

Assistant Superintendent of Spring Garden Dump.
John J. Kernan.

N. S. Detective.
John G. Sullivan.

Messenger.
W. H. Blondell.

Commissioners of Street Cleaning.

Bartholomew E. Smith.
Frank Dandelet, *Clerk.*

SUPERINTENDENT OF STREETS.

Bernard V. Kelly, *First District.*
Geo. E. McCauley, *Second District.*
Michael Fadgen, *Third District.*
James F. Busey, *Fourth District.*
Henry Lancaster, *Fifth District.*
John Meagher, *Six District.*
Jos. McGee, *Seventh District.*

SUPERINTENDENTS OF ROADS.

George M. Chambers, 21*st Ward.*
Charles Carroll, 22*d Ward.*

Assessor in 21st and 22d Wards.

L. G. Cook.

Harbor Board.

His Honor Robert C. Davidson, *Chairman.*
James S. Woodside, Fielder Slingluff,
Francis P. Murphy, E. J. Codd,
Martin Wagner.
N. H. Hutton, *Engineer.*
Jas. H. Irvin, Jr., *Clerk.*

Superintendent of City Hall.

Wm. P. Ryan.

Day Watchmen at City Hall.

James Merritt,
John Cosgrove,
Dennis Bergin.

Night Watchmen at City Hall.

John Schlereth,
John Roney.

Engineers at City Hall.

Geo. W. Vandaniker,
Curtis B. Simonds.

Firemen at City Hall.

T. Thomas McGahan,
Martin J. Walsh,
James D. Daniels,
Martin F. Healy.

Conductor City Hall Elevator.

H. C. Butts.

Park Commission.

His Honor Robert C. Davidson, *Chairman.*

John H. B. Latrobe, German H. Hunt,
John S. Berry, John C. Froelich,
David L. Bartlett, Frederick Wehr.

D. Rayhice, *Clerk.*

Water Department.

COMMISSIONERS.

His Honor Robert C. Davidson, *President.*

John F. Hunter, John E. Hurst,
William A. Marburg, Francis H. Hambleton,
Joseph S. Heuisler, Clinton P. Paine.

Registrar's Department.

E. Shriver, *Water Registrar.*
James A. Marrian, *General Bookkeeper.*
James S. Etchberger, *Cashier.*
James J. C. Scully, *Clerk of Errors.*
Wm. Gilmor, of Wm., *Ledger Clerk.*
A. J. C. White, "
E. J. Edwards, "
John Gibson, "
Samuel A. Hart, "
J. Beale Howard, "
T. J. Penning, *Meter and New Supply Clerk.*
E. A. Hogg, " " "

District Inspectors and Bill Distributors.

Benjamin Price, D. G. Carlisle,
George A Coleman, S. L. Auerbach,

Water Department—Continued.

Leonard C. Hornick, John F. Kearns,
Barney L. Hess.
George W. Emmerich, *Special Inspector.*

Engineer's Department.

Robert K. Martin, *Chief Engineer.*
Wm. L. Kenly, *Engineer and Supt. of Co. Division.*
Chas. Krauss, *Draughtsman Mechanical Department.*
R. L. Clemmitt, *Draughtsman in Chief Eng'r's Office.*
Richard D. Murphy, *Clerk.*
J. Philip Huppman, "
Lewis C. Curran, *Meter Inspector.*
John Shea, *Inspector of Pumps.*

Baltimore City Jail.

Board of Visitors.

Hon. Robert C. Davidson, *Ex-Officio.*
John Richardson, *President.*
Frank Whalen, *Secretary.*
A. C. N. Matthews, August Berkemeier,
H. F. Turner, H. G. Dudley.
Daniel Constantine, *Warden.*
Wm. H. H. Turner, *Clerk.*
Dr. Thomas S. Latimer, *Physician.*

Standing Committees.

DISCIPLINE. { John Richardson, A. Berkemeier, H. F. Turner.
FINANCE. { A. C. N. Matthews, Frank Whalen.
REPAIRS. { A. Berkemeier, Frank Whalen.

Baltimore City Jail—Continued.

SUPPLIES. { H. G. Dudley, Frank Whalen.

SANITARY. { H. F. Turner. A. C. N. Matthews.

Deputy Wardens.

Charles F. Edwards,	Charles Warner,
Thomas M. Kenny,	Charles A. Dwyer,
J. T Barber,	George Hoffman,
George H. Hummell,	Jesse C. Morrison,
W. B. McEldon,	F. H. Valentine,
John W. Reiter,	Michael T. Murphy,
Thomas J. Goodrich,	H. J. Edell,
Michael Kohlerman,	Peter Davey,
Thomas B. Smith,	Charles A. Hoffman.

Michael Stanton, *Engineer.*
Mrs. Frances Causey, *Matron.*
Mrs. Ellen Bishop, *Deputy Matron.*
John H. Meyer, *Substitute.*
J. B. Wills, "
John Cramer, "
Charles Helbing, *Baker.*
David Crotty, *Gardener.*
John Garrity, *Hostler.*

Commissioners of Public Schools.

First Ward.....John F. Langhamer.
Second Ward.....Simon L. Felber.
Third Ward.....John B. Wentz.
Fourth Ward.....Edward A. Burke.
Fifth Ward.....Wm. H. B. Fusselbaugh, of J.
Sixth Ward.....Jacob S. Barnes.

Commissioners of Public Schools—Continued.

Seventh Ward ..... Frank H. Kampe.
Eighth Ward ..... John T. Foley.
Ninth Ward..... Michael Sheehan.
Tenth Ward ..... John T. Morris.
Eleventh Ward..... Otway B. Zantzinger.
Twelfth Ward ..... Thomas P. Baldwin.
Thirteenth Ward..... C. J. Wiener.
Fourteenth Ward ..... James Bosley, M. D.
Fifteenth Ward..... Nelson Baker.
Sixteenth Ward..... John Biemiller.
Seventeenth Ward .... John E. Durding.
Eighteeth Ward ..... John J. Fenton.
Nineteenth Ward ..... Henry Allnutt.
Twentieth Ward ..... James L. Murrill.
Twenty-first Ward .... Alcaeus Hooper.
Twenty-second Ward..A. Warfield Monroe.

Henry M. Cowles, *Secretary.*
Albert Marshall, *Assistant Secretary.*
Henry A. Wise, *Superintendent of Instruction.*
John E. McCahan, *Assistant Superintendent.*
Christian W. Keidel, *Superintendent of Supplies.*
Francis J. Ruth, *Librarian.*

Trustees of the McDonogh Educational Fund and Institute.

Samuel H. Tagart, *President.*

German H. Hunt, *Sec'y,* David L. Bartlett,
Robert Garrett, Enoch G. Hipsley.
William A. Stewart, Wm. Keyser.

Trustees of Almshouse.

Joseph Friedenwald, *President.*
John Black, *Secretary.*
Simon I. Kemp, Ira Remsen, J. J. Pentz,
Jacob Pappler, J. J. Hoffman.

Adolph Martini, *Superintendent.*
John M. McElroy, *Purveyor.*
John R. Hammett, *Clerk and Storekeeper.*
Susan McCahan, *Matron.*
Wm. Kaiser, *Engineer.*
James J. Farrell, *Assistant Engineer.*
John F. Barringer, *Gardener.*
Thomas Connor, *Messenger.*
Charles Jones, *Baker.*
Thomas McKinley, *Carriage Driver.*

Medical Department.

F. W. Hains, M. D.,
Frank D. Sanger, M. D., } *Resident Physicians.*
Wm. E. Wright, M. D., *Insane Hospital.*
Assistant Insane Hospital, open.
James J. Tierney, *Apothecary.*

Agent of Baltimore City for the Deaf and Dumb.

William R. Barry.

Directors on Behalf of the City in the Female House of Refuge.

P. Macaulay Birckhead, James W. Denny,
Joseph Merrefield, W. T. Biedler,
W. L. Virtue, J. H. Scarff.

Managers on Part of the City of St. Mary's Industrial School.

E. J. Codd, Thos. Fryer, Andrew W. Woodall.

Managers of House of Refuge on the Part of the City.

Dr. John G. Morris,
Wm. A. Knapp,
Dr. J. D. Iglehart,
James H. Parrish,
James A. Gould,
Henry C. James,
Samuel H. Lyon,
Archibald B. Coulter,
Israel Rosenfeld,
Thos. A. Ashby, M. D.

Managers on the Part of the City for the House of Reformation and Instruction for Colored Children.

Wm. T. Brigham, Joseph J. Janney.

Managers on the Part of the City in the Industrial Home for Colored Girls.

Francis P. Stevens, Myer Bornheim.

Directors on the Part of the City in the Union Railroad Company.

John S. Leib, W. B. McAtee.

Visitor to Enoch Pratt Free Library.

W. B. McAtee.

Directors on the part of the City in the Western Maryland Railroad Company.

J. M. Hood, *President.*

Christian Devries,
E. G. Hipsley,
Levi Weinberger,
A. P. Burt,
William A. Boyd,
John C. Legg,
Wm. S. Rayner,
Samuel D. Schmucker.

Directors on the part of the City in the Valley Railroad Company.

Henry Duvall, Osman Latrobe.

Harbor Masters.

First District..... Joseph E. Cromwell.
Second " ..... William Knorr.
Third " ..... Thomas Freeman.
Fourth " ..... George T. Hodes.
Fifth " ..... John N. Conway.
Sixth " ..... Charles Durm.

Inspectors of Weights and Measures.

Northwestern District..... John A. Haeffner.
Northeastern " ..... Wm. Henry.
Southwestern " ..... John C. Dietz.
Southeastern " ..... Thos. Francis Herr.

Inspector of Long and Dry Measures.

William Bond.

Inspector of Coal Oil and Illuminating Gas.

Prof. P. B. Wilson.

General Superintendent of Lamps and Inspector and Sealer of Gas Meters.

W. Stuart Symington.

Inspector of Charcoal.

George W. Busch.

Superintendent of Court House, Record Office and Grounds.

John D. Cook.

Watchman at Court House.

Daniel Barr.

Janitor of the Old Masonic Hall Building.

James Donnelly.

Watchman at Old Masonic Hall Building.

William Larkin.

Janitor of the Orphans' Court.

William J. Burke.

Keeper of Drawbridge.

George Konig.
William H. Konig, *Assistant.*

Keeper of Washington Monument.

James Cawley.

Keeper of Harman's Bridge.

Edward Stowman.

Keeper of North, Calvert and St. Paul Street Bridges.

James T. Mulligan.

Keeper of Dog Pound.

Michael Noon.

Clerk of Centre Market.

Daniel A. L. Murray.
John F. Bracken, *Assistant Clerk.*

Clerk of Lexington Market.

James A. Strong.
William H. Tibbals, *Assistant Clerk.*

Clerk of Fell's Point Market.

Frederick Buckheimer.

Clerk of Belair Market.

Joseph H. Wright.

Clerk of Hollins Market.

James Biden.

Clerk of Hanover Market.

John H. Mortimer.

Clerk of Richmond Market.

George H. Clifton.

Clerk of Lafayette Market.

Thomas Briddell.

Clerk of Cross Street Market.

James Graham.

Clerk of Northeastern Market.

Michael Kunkel.

Clerk of Canton Market.

Daniel Cadden.

Keeper of Hall over Broadway Market.

Thomas Carroll.

Keeper of Market under Maryland Institute.

John H. Bogue.

Commissioners of Union Square.

Andrew J. Fairbank, Hiram G. Dudley,
William H. Thomas, Jr.

Commissioners of Lafayette Square.

D. H. Stevenson, W. C. Sanderson, H. G. Vickery.

Commissioners of Franklin Square.

Henry W. Roane, Dr. N. F. Hill, John F. Adams.

Commissioners of Eutaw Place Squares—First Division.

Wm. T. Levering, A. G. Stabler, Wm. H. Blackford,
A. C. Trippe.

Commissioners of Eutaw Place Squares—Second Division.

George W. Wood, Alex. H. Russell,
George J. Popplein,

Commissioners of Mount Vernon Squares.

Thomas M. Lanahan, William F. Burns,
Thomas Deford.

Commissioners of Madison Square.

John Solter, John H. Hoeck, Wm. Albert.

Commissioners of Jackson Square.

J. Krebs Rusk, John W. Bay, J. S. Evans.

Commissioners of Harlem Park.

John A. J. Dixon, Bernard F. Harig,
Charles McDonald, Jr.

Commissioners of Eastern City Spring Square.

Philip Wolf, Geo. Courtney, Harry Fuld.

Commissioners of Broadway Squares—First Division.

T. C. Weeks, A. McClintock, Saml. W. Pattison.

Commissioners of Broadway Squares—Second Division.

Wm. H. McElroy, John Cox, Louis Zink.

Commissioners of Broadway Squares—Third Division.

Geo. E. Taylor, Edw. N. Waters, Adam Neus, Jr.

Commissioners of Perknis' Spring Square.

Joseph Harris, J. Frank Wilhelm, Byron Sheffield.

Commissioners of Park Place.

Frank Frick, Faris C. Pitt, Lawrence Turnbull.

Commissioners of Taney Place.

John W. Poisal, Samuel Henry, A. B. Clark.

Commissioners of Ashland Square.

Jas. Sapp, Edward G. Medinger, Richard S. Bridge.

Commissioners of Mount Royal Avenue Square.

Michael Jenkins, Henry E. Baltzell,
R. W. Templeman.

Commissioners of Fulton Avenue Squares and Circle at Baker street and Fulton avenue.

F. C. Stocksdale, Wm. J. Miller.

Commissioners of Wilkens Avenue Square.

Gustav Siegmund, Fred. J. Cahill, Henry T. Tapman,
Jas. C. Griffin, Edward Andrews.

Keeper of Madison Square.

John Baker.

Keeper of Perkins' Spring Square.

John Garey.

Keeper of Union Square.

George Price.

Keeper of Harlem Square.

William Sheehan.

Keeper of Lafayette Square.

Henry Manion.

Keeper of Franklin Square.

W. W. Hess.

Keeper of Eastern Fountain.

Nathaniel C. Walker.

Keeper of Broadway Squares—First Division.

Frederick Williams.

Keeper of Broadway Squares—Second Division.

John K. Herzel.

Keeper of Mount Royal Avenue Square.

Peter Needham.

Keeper of Ashland Square.

John C. Gareis.

Keeper of Jackson Square.

Herman Kumlehn.

Keeper of Taney Place.

Aug. Bechtold.

Ward Managers of the Poor.

First Ward.....Moses Fleishman.
Second Ward.....George Schaeffer.
Third Ward.....Richard C. Kemp.
Fourth Ward.....Charles F. O'Conor.
Fifth Ward.....C. Crane.
Sixth Ward.....James E. Sturgeon.
Seventh Ward.....Alexander Bond.
Eighth Ward.....Michael Hagan.
Ninth Ward.....Thomas Gordon.
Tenth Ward.....Michael Hess.

Ward Managers of the Poor—Continued.

Eleventh Ward ..... Charles F. Taylor.
Twelfth Ward ..... R. G. Keene.
Thirteenth Ward ..... Wm. J. Baker.
Fourteenth Ward ..... T. P. Perine.
Fifteenth Ward ..... Joseph J. Harig.
Sixteenth Ward ..... Peter Hines.
Seventeenth Ward ..... Wm. L. P. Riggin.
Eighteenth Ward ..... John P. Fahey.
Nineteenth Ward ..... George A. Smith.
Twentieth Ward ..... John B. Thomas, Jr.
Twenty-first Ward .....
Twenty-second Ward .....

Superintendents of Lamplighters.

Joshua E. Stinchcomb,
Benjamin F. Crisp,
Charles D. Moore,
Andrew Ryan,
Richard E. Hardin,
John E. Ward.

Lamplighters.

First Ward—John Potter,
Stephen Flaherty,
Michael Herr,
Francis P. Connors, Jr.,
James Donnelly.

Second Ward—John Schmitt,
Conrad Allis,
John T. Brown,
George M. Frank,
Thomas Kelly.

Lamplighters—Continued.

Third Ward—Henry Kimmelman,
Michael Wagner,
George W. Bandle,
John G. Moore, *at large.*
Michael Schnifer,
Charles Hitroth.

Fourth Ward—Joseph Lantz,
Wm. Killen,
John Spellman,
Carston Schultz,
Jerry Harrigan.

Fifth Ward—John W. Disney,
J. Ahearns,
James Start,
Thomas Kilduff,
John T. Ahearns.

Sixth Ward—Jos. Wagner,
Henry Pilgrim,
Wm. B. Smith,
John Klima,
Samuel McJilton.

Seventh Ward—Henry Keagle,
Victor Hirshauer,
Andrew Emeline,
Adam Strebb,
George J. Gundel.

Lamplighters—Continued.

Eighth Ward—William Holden,
John McSweeny,
John Landers,
Frank Gutberlet,
Francis R. J. Grogan.

Ninth Ward—Lewis J. Hess,
George H. Smith,
Benjamin Tall,
Michael Collins,
John Garrity.

Tenth Ward—Max Kohlenstine,
Joseph Barkman,
Jos. Steinkamp,
Valentine Baum,
Joseph Johnson.

Eleventh Ward—Andrew J. Norris, Jr.,
Chas. C. Pease,
Philip Eck,
Jacob Pollety,
John Rinn.

Twelfth Ward—Thomas Rooney,
Thomas Hand,
Dennis Hogan,
George W. Courts,
James Braden.

Lamplighters—Continued.

Thirteenth Ward—James E. Thompson,
Ed. J. Schnur,
Mark McBride,
James Gillan,
Owen McHugh.

Fourteenth Ward—Patrick Ryan,
Henry Burns,
Jos. Countess,
James Fitzsimmons,
Thomas Hibbetts,
Patrick Spearman.

Fifteenth Ward—Michael Ragan,
Charles Hersch,
Michael Fahey,
Michael Iser,
George W. Behrens.

Sixteenth Ward—Daniel Zimmer,
William F. Watkins,
John Wall,
George Riley,
Thomas Bentley, Jr.

Seventeenth Ward—Thomas Cunningham,
Henry Davis,
William Amey,
John McMann,
Philip Kimmell,
Charles C. Hughes.

Lamplighters—Continued.

Eighteenth Ward—John Benson,
John Jeffers,
Fred. A. Shanefelter,
George P. Hobach,
Michael Manning,
Peter Cunningham.

Nineteenth Ward—Bernard McGuirk,
John Chambers,
William E. Coale,
Dennis J. Myers,
Stephen L. Hurley.

Twentieth Ward—William J. Eagan,
Nathan Wright,
J. G. Wutz,
Jacob Shadle,
Robert F. Chanler.

Twenty-first Ward—W. Stapf,
W. H. Pease,
H. C. Preuss,
J. Kepple,
Chas. Forsyth,
Chas. Steiks,
Wm. H. Darenberger,
Thomas H. Snowden,
Andrew Koerner,
George J. Strube,
Adam Hahn,
Charles Kepple.

Lamplighters—Continued.

Twenty-second Ward—Chris. Fisher,
G. H. McCauley,
Caleb N. Williams,
J. Knight,
Joseph D. Christopher,
V. Miller,
Geo. H. Fisher,
Geo. M. Hargert,
Henry D. Brown,
Ephriam Orem,
John F. Skipper,
John H. Maxfield,
Ambrose Rosensteel,
John McFaul.

Constables.

First	Ward	Francis L. Flarity.
"	"	Horatio Wallace.
Second	"	Wm. J. Brown.
"	"	Philip A. Boss.
Third	"	John H. Calvert.
"	"	John T. Mullan.
Fourth	"	George McCart.
"	"	G. Koffenberger.
Fifth	"	John J. Frey.
"	"	Sabrit S. Umphreys.
Sixth	"	Charles P. Dunigan.
"	"	E. C. Lilly.

Constables—Continued.

Seventh	Ward	Chas. C. Swope.
"	"	John W. Darley.
Eighth	"	W. W. Rollins.
"	"	Geo. H. Winchester.
Ninth	"	Thomas H. Shanks.
"	"	James Loane.
Tenth	"	Edward A. Keyser.
"	"	Wm. P. Smith.
Eleventh	"	John E. Kropp.
"	"	Francis M. Hay.
Twelfth	"	James E. Sangston.
"	"	Stephen A. Morse.
Thirteenth	"	Nicholas G. Schaefer.
"	"	
Fourteenth	"	Charles Cook.
"	"	Wm. F. Brag.
Fifteenth	"	Wm. B. Lyons.
"	"	Noble G. W. Woodall.
Sixteenth	"	Theodore N. Weems.
"	"	Josiah S. Showacre.
Seventeenth	"	Chas. Weems, Jr.
"	"	David P. West.
Eighteenth	"	David H. M. Young.
"	"	Frank Zimmerman.
Nineteenth	"	Wm. H. McCabe.
"	"	Chas. G. Ricaud.
Twentieth	"	Andrew J. Collars.
"	"	John K. Stein.

Constables—Continued.

Twenty-first Ward..... Wm. J. O'Keefe.
" " ..... Simon Otto.
Twenty-second " ..... Geo. T. Wise.
" " ..... Peter H. C. Stitcher.

Officers of the Fire Department.

Fire Commissioners.

J. Alexander Preston, *President.*

John F. Hunter, George May.

Secretary and Clerk.

David H. Lucchesi.

Chief Engineer.

John M. Hennick.

Assistant Engineers.

George W. Ellender, Thomas F. Murphy.

Superintendent of Police and Fire Alarm Telegraph.

Charles J. McAleese.

Superintendent of Machinery.

George J. Linsenmeyer.

Operators—H. P. Lucas, Alexander Crummer, F. L. McAleese, J. F. O'Mailey.

Substitute Operator—J. J. McCoy, Jr.

Lineman—J. M. Nugent.

Assistant Lineman.—C. J. Hellings.

" " Samuel Knouse.

Batteryman—Robert Kain.

No. 1 *Engine.*

Wm. C. McAfee.....*Captain.*
Herman F. Bichy.....*Lieutenant.*
Charles E. Freeburger.....*Engineman.*
John W. Eckhardt.....*Ass't Engineman.*
Lewis J. Fresch.....*Driver.*
Edward R. Addison.....*Fireman.*
George W. Minton..... "
Al. Oelman..... "
W. H. C. Laughlin..... "
Emil Heise..... "
Edward F. Kelly..... "

No. 2 *Engine.*

John J. Leddon.....*Captain.*
Henry C. Hammel.....*Lieutenant.*
Thomas E. Wheatley.....*Engineman.*
Daniel H. Weber.....*Ass't Engineman.*
Louis Abel.....*Driver.*
Wm. Eckert.....*Fireman.*
Charles Romoser, Sr..... "
James Humes..... "
Charles Romoser, Jr..... "
Frank Hines..... "
Maurice C. Bollman..... "
James H. Murray..... "

No. 3 Engine.

Richard A. Lindsay.....*Captain.*
Thos. B. Campbell.....*Lieutenant.*
Patrick F. Moriarity.....*Engineman.*
Thomas G. Huth.....*Ass't Engineman.*
John F. Pierce.....*Driver.*
Benjamin Price.....*Fireman.*
G. Louis Schlimm..... "
R. H. Dougherty..... "
Herman Fumbaugh..... "
August Schlimm..... "
James T. Pearle..... "

No. 4 Engine.

George W. Horton.....*Captain.*
Geo. W. Bentz.....*Lieutenant.*
John Gaffney.....*Engineman.*
John Prenger.....*Ass't Engineman.*
Andrew J. Connelly.....*Driver.*
Constant Seibert.....*Fireman.*
Ernest W. Schultz..... "
Joseph H. Dailey..... "
Wilmer West..... "
Geo. Croucher..... "
Henry Bierman..... "
Wm. H. Cullen..... "

No. 5 Engine.

Andrew W. German.....*Captain.*
James L. Lindsay.....*Lieutenant.*
Frederick L. Nelson.....*Engineman.*
John N. Bletzer.....*Ass't Engineman.*
Henry Murphy.....*Driver.*
William B. Baker.....*Fireman.*
William T. Disney..... "
John H. Reitz..... "
John G. Baker..... "
Henry R. Seippel..... "
Charles Rosenthal..... "

No 6. Engine.

Richard N. Pittinger.....*Captain.*
Charles Betz.....*Lieutenant.*
Matthew Mulligan.....*Engineman.*
Thos. F. Sexton.....*Ass't Engineman.*
John Clark.....*Driver.*
B. F. Seipp.....*Fireman.*
Lawrence Blake..... "
George Mineburg..... "
James Gallagher..... "
F. C. H. Berger..... "
Samuel McClaskey..... "
Frank L. Creamer..... "

No. 7 Engine.

Wm. F. Morrow.....*Captain.*
Louis B. Schieve.....*Lieutenant.*
Jacob S. Corns .....*Engineman.*
Thomas S. Brown.....*Ass't Engineman.*
Francis Hart.....*Driver.*
J. J. Houck.....*Fireman.*
Samuel A. Seymour..... "
Charles A. Soistman ..... "
William F. Doeppe..... "
Thomas G. Starr..... "
Paul L. Linde..... "

No. 8 Engine.

A. J. Walter.....*Captain.*
Thomas B. Meushaw.....*Engineman.*
Martin J. Hesmer.....*Ass't Engineman.*
William J. Stewart.....*Driver.*
G. R. Chapman.....*Fireman.*
Frederick Johnson..... "
Charles Airey ..... "
Morris Rosenthal..... "
Jacob Rupp..... "
John Krauss..... "
James McGlennan ..... "

No. 9 Engine.

David H. Macaulay.....*Captain.*
Daniel R. Rogers.....*Engineman.*
William H. Stanton.....*Ass't Engineman.*
William B. Baker.....*Driver.*
James McDevitt.....*Fireman.*
Charles C. Neilson..... "
Solomon Uhlfelder..... "
Charles Fry..... "
John H. Cruse..... "
W. F. Cuddy..... "
Henry S. Abell..... "

No. 10 Engine.

William R. Ward.....*Captain.*
John W. Walsh.....*Engineman.*
James Nugent.....*Ass't Engineman.*
George W. Thorpe.....*Driver.*
Justice G. Keilholtz.....*Fireman.*
Samuel W. Marker..... "
James Scott..... "
William Power..... "
Henry Zachman..... "
George W. Smith..... "
John Eigenbrodt..... "

No. 11 *Engine.*

Michael A. Lind ..... *Captain.*
John Calder ..... *Engineman.*
John Lindeman ..... *Ass't Engineman.*
Lewis Battee ..... *Driver.*
Josh. H. Miller ..... *Fireman.*
Albert H. Gier ..... "
John Koos ..... "
George Shipley ..... "
Ben. V. Beyer ..... "
Thomas Howard ..... "
Charles E. DeWitt ..... "

No. 12 *Engine.*

Thomas Fitzpatrick ..... *Captain.*
Michael Lycett ..... *Engineman.*
Thomas S. Atkinson ..... *Ass't Engineman.*
Joseph W. Moon ..... *Driver.*
Edward C. Klessell ..... *Fireman.*
James Catterton ..... "
George Stegman ..... "
Thos. Voyce ..... "
Wm. A. Kirwin ..... "
Peter McGonigle ..... "
John W. Ruppert ..... "

No. 13 *Engine.*

John Hoffman..... *Captain.*
John H. Deal..... *Engineman.*
John A. Bannon..... *Ass't Engineman.*
Thomas H. Wright..... *Driver.*
Philip Bowen..... *Fireman.*
Laurence Pistel..... "
Wilbur Pierce..... "
James Keyser..... "
William R. Lashorne..... "
Lee Conn..... "
William Lynch..... "

No. 14 *Engine.*

Wm. H. Dunn..... *Captain.*
Samuel W. Stansbury..... *Engineman.*
John Conway..... *Ass't Engineman.*
J. Oscar Healey..... *Driver.*
Charles H. Baker..... *Fireman.*
C. Allen Orem..... "
Howard Scott..... "
Philip L. Brady..... "
James B. Baldwin..... "
George A. Wright..... "
James P. Dillon..... "

No. 15 *Engine.*

Frank K. Conway ..... *Captain.*
Thos. H. Humphreys ..... *Engineman.*
William F. Awalt ..... *Ass't Engineman.*
Mark Hill ..... *Driver.*
Harry Lee Wynne ..... *Fireman.*
John B. Bartell ..... "
Frank Sherwood ..... "
Leon A. Talbot ..... "
Harman Schiminger ..... "
James T. Dunn ..... "
James B Meehan ..... "
Frank Miller ..... "

No. 1 *Hook and Ladder.*

G. Albert Cassedy ..... *Captain.*
August Emerich ..... *Lieutenant.*
Thos B. Strahan ..... *Tillerman.*
Geo. W. Cassedy ..... *Ass't Tillerman.*
John T. Mulligan ..... *Driver.*
Martin Kirby ..... *Ladderman.*
William H. Hartman ..... "
Cooper Elliott ..... "
Thomas Kerr ..... "
Zack T. Seabreeze ..... "
Robt. Edwards ..... "

No. 2 Hook and Ladder.

Frederick Brannan ..... *Captain.*
Thos. Montgomery ..... *Lieutenant.*
Charles Rolf ..... *Tillerman*
John W. Blake ..... *Ass't Tillerman.*
Joseph Lavender ..... *Driver.*
Charles W. Stewart ..... *Ladderman.*
J. Fred. Schaeffer ..... "
William H. Thomas ..... "
Robert M. Brown ..... "
William A. Meushaw ..... "
John W. Kelly ..... "

No. 3 Hook and Ladder.

George W. Foxwell ..... *Captain.*
Louis Laux ..... *Tillerman.*
John M. Downs ..... *Ass't Tillerman.*
John Croucher ..... *Driver.*
Joseph P. Kelly ..... *Ladderman.*
John McClellan ..... "
John A. Sauers ..... "
Wilbur F. Clark ..... "
George Little ..... "
Peter Nelson ..... "
John R. Battee ..... "
James H. Reilly ..... "

No 4 Hook and Ladder.

Andrew Bilson.....*Captain.*
William White.....*Tillerman.*
John G. Gill.....*Ass't Tillerman.*
J. B. Kelly.....*Driver.*
J. H. Morgan.....*Ladderman.*
George W. Allen..... "
Patrick Burns..... "
Jacob A. Wisong..... "
John Kurne..... "
Samuel C. Eichelberger..... "
Wm. F. Clabaugh..... "
George E. Gill..... "

No. 5 Hook and Ladder.

Thos. Strahler.....*Captain.*
George W. Haskell.....*Tillerman.*
Wm. Quinn.....*Ass't Tillerman.*
Wm. H. Ryan.....*Driver.*
Wm. Wiley.....*Ladderman.*
Wm. T. Johns..... "
W. E. Van Rossum..... "
Wm. F. Beall..... "
John M. Fredericks..... "
John Sullivan..... "
James Gallagher..... "
Henry Corrigan..... "

No. 6 Hook and Ladder.

Wm. A. Larkins.....*Captain.*
T. D. O'Keefe.....*Tillerman.*
Antone Kemp.....*Ass't Tillerman.*
George D. Taylor.....*Driver.*
James Gill.....*Ladderman.*
Albert Squires..... "
Charles E. Causey..... "
Wm. E. Burrier..... "
Fred. Beck..... "
Daniel Vogelgesang..... "
Albert McKenthum..... "
John E. Boyd..... "

Fire Department—Annex.

Wm. W. Dunn, *Superintendent.*

No. 1 Chemical Engine.

Edward N. Steinecker.....*Captain.*
Michael Farley.....*Hostler.*
Antone Yenger.....*Fireman.*

No. 2 Chemical Engine.

James H. Merrick.....*Captain.*
James K. Merriken.....*Hostler.*
James R. White.....*Fireman.*

No. 3 Chemical Engine.

Ralph S. Ferguson..... *Captain.*
John W. Potts..... *Hostler.*
Robert P. McFarland..... *Fireman.*

No. 4 Chemical Engine.

Wm. H. Taylor..... *Captain.*
Owen McGreevey..... *Hostler.*
Edw. B. Green..... *Fireman.*
James Hart..... "

No. 5 Chemical Engine.

John F. McKenzie..... *Captain.*
John F. Myers..... *Hostler.*
John Lachman..... *Fireman.*

No. 6 Chemical Engine.

Frank Maher..... *Captain.*
Andrew McCormick..... *Hostler.*
Ed. G. Kipp..... *Fireman.*

No. 7 Chemical Engine.

James P. Morris..... *Captain.*
James J. Reynolds..... *Hostler.*
James L. Clarken..... *Fireman.*

No. 8 Chemical Engine.

Fielding H. Lucas ..... *Captain.*
John T. Harney. ..... *Hostler.*
Wm. F. Pasterfield ..... *Fireman.*

No. 7 Hook and Ladder.

Levin H. Burkhardt ..... *Hostler.*

No. 8 Hook and Ladder.

John L. Durham..... *Hostler.*

No. 9 Hook and Ladder.

Wm. H. Cammel..... *Hostler.*

Judges and Clerks of Courts.

Hon. Henry D. Harlan,
" J. Upshur Dennis,
" William A. Stewart,
" Charles E. Phelps,
" Edward Duffy,
" Daniel Giraud Wright.

Clerk of the Superior Court.

James Bond.

Clerk of the Court of Common Pleas.

John T. Gray.

Clerk of the Circuit Court.

Alvin Robertson.

Clerk of the Circuit Court No. 2.

John H. Suter.

Clerk of the Criminal Court.

John S. Bullock.

Clerk of the City Court.

Henry A. Schultz.

COMMITTEES

—OF THE—

CITY COUNCIL OF BALTIMORE,

FOR THE YEAR 1890.

JOINT STANDING COMMITTEES.

WAYS AND MEANS.

First Branch.	*Second Branch.*
Smith, James H.	Maloney, Timothy
Leonard, John F.	Seebo, H. C.
Budnitz, Emil.	Dundon, Michael

BRIDGES.

First Branch.	*Second Branch.*
Bland, John B.	Hart, Dr. J. B.
Brannan, Chas. H. S.	Selden, Chas.
Eagleston, George I.	Smith, Jos. C.

WATER.

First Branch.	*Second Branch.*
Brannan, Chas. H. S.	Hart, Dr. J. B.
Windfelder, John H.	Betz, Jr., John
Barnes, Hanson P.	Smith, Jos. C.

CLAIMS.

First Branch.	*Second Branch.*
Berry, Jasper M.	Supplee, J. Frank
Sams, Conway W.	Meagher, P. T.
Bland, John B.	Betz, Jr., John

HIGHWAYS.

First Branch.	*Second Branch.*
Doyle, John F.	Maloney, Timothy,
Leonard, John F.	Betz, Jr., John
Fahey, John T.	Supplee, J. Frank

HEALTH.

First Branch.	*Second Branch.*
Morfit, Dr. C. M.	Hart, Dr. J. B.
Clark, Daniel E.	McMahon, T.
Spindler, Frederick.	Dundon, M.

MARKETS.

First Branch.	*Second Branch.*
Eagleston, George I.	McMahon, T.
Clark, Daniel E.	Meagher, Philip T.
Spindler, Frederick.	Selden, Charles

CITY PROPERTY.

First Branch.	*Second Branch.*
Windfelder, John H.	Betz, Jr., John
Fahey, John T.	Maloney, Timothy
Jones, John M.	Smith, Jos. C.

EDUCATION.

First Branch.	*Second Branch.*
Jones, John M.	Hart, Dr. J. B.
Bland, John B.	Maloney, Timothy
Cummings, H. S.	Selden, Charles

HOUSE OF REFUGE.

First Branch.	*Second Branch.*
Sams, Conway W.	Seebo, H. C.
Budnitz, Emil	Selden, C.
Brannan, Chas. H. S.	Smith, Jos. C.

INTERNAL IMPROVEMENTS.

First Branch.	*Second Branch.*
Cox, Walter A.	Smith, Jos. C.
Shaw, Gilles J.	Supplee, J. Frank
Windfelder, John H.	Betz, Jr., John

FIRE DEPARTMENT.

First Branch.	*Second Branch.*
Shaw, Gilles J.	Maloney, Timothy
Horn, Dr. Louis C	McMahon, T.
Brannan, Chas. H. S.	Dundon, M.

POLICE AND JAIL.

First Branch.	*Second Branch.*
Horn, Dr. Louis C.	Seebo, Henry C.
Brown, Andrew	Meagher, P. T.
Smith, James H.	Dundon, M.

HARBOR.

First Branch.	*Second Branch.*
Brown, Andrew	Meagher, P. T.
Barnes, Hanson P.	Seebo, H. C.
Cox, Walter A.	Dundon, M.

CITY PASSENGER RAILWAYS.

First Branch.	*Second Branch.*
Leonard, John F.	Betz, Jr., John
Brown, Andrew	McMahon, T.
Doyle, John F.	Meagher, P. T.

ALMSHOUSE.

First Branch.	*Second Branch.*
Barnes, Hanson P.	Meagher, P. T.
Sams, Conway W.	Maloney, T.
Cummings, H. S.	Supplee, J. Frank.

JONES' FALLS.

First Branch.	*Second Branch.*
Clark, Daniel E.	Maloney, Timothy
Morfit, Dr. C. M.	McMahon, T.
Leonard, John F.	Supplee, J. F.

McDONOGH BEQUEST.

First Branch.	*Second Branch.*
Budnitz, Emil.	Selden, Chas.
Cox, Walter A.	Smith, Jos. C.
Sams, Conway W.	Supplee, J. Frank

PARKS.

First Branch.	*Second Branch.*
Spindler, Frederick	Seebo, H. C.
Barnes, Hanson P.	Betz, Jr., John
Bland, John B.	Supplee, J. Frank

COMMERCE AND MANUFACTURES.

First Branch.	*Second Branch.*
Cummings, H. S.	Dundon, M.
Budnitz, Emil.	Meagher, Philip T.
Jones, John M.	Smith, Jos. C.

PRINTING.

First Branch.	*Second Branch.*
Fahey, John T.	Betz, Jr., John
Eagleston, George I.	McMahon, T.
Brown, Andrew	Selden, Charles

ENROLLMENT.

First Branch.	*Second Branch.*
Berry, Jasper M.	Meagher, Philip T.
Budnitz, Emil.	Supplee, J. Frank

Joint Special Committee for the Introduction of the Waters of the Gunpowder River into the City.

First Branch.	*Second Branch.*
Brannan, Chas. H. S.	McMahon, Terrence
Doyle, John F.	Betz, Jr., John
Leonard, John F.	Supplee, J. F.
Morfit, Dr. C. M.	Hart, Dr. John B.
Brown, Andrew	Maloney, Timothy

JOINT SELECT COMMITTEES.

REGISTER'S ACCOUNTS.

First Branch.	*Second Branch.*
Bland, John B.	Betz, Jr., John
Morfit, Dr. C. M.	Hart, Dr. J. B.
Sams, Conway W.	Smith, Jos. C.

COMMISSIONERS OF PUBLIC SCHOOLS ACCOUNTS.

First Branch.	*Second Branch.*
Jones, John M.	Maloney, Timothy
Clark, Daniel E.	Supplee, J. Frank
Spindler, Frederick.	McMahon, Terrence

COMMISSIONERS OF FINANCE ACCOUNTS.

First Branch.	*Second Branch.*
Smith, James H.	Supplee, J. Frank
Windfelder, John H.	Hart, Dr. J. B.
Budnitz, Emil	Seebo, Henry C.

COMPTROLLER'S ACCOUNTS.

First Branch.	*Second Branch.*
Brannan, Chas. H. S.	Meagher, Philip T.
Shaw, Gilles J.	Betz, Jr., John
Barnes, Hanson P.	Selden, Charles

WATER COMMISSIONERS' ACCOUNTS.

First Branch.	*Second Branch.*
Sams, Conway W.	Smith, Jos. C.
Brown, Andrew	Maloney, T.
Cummings, H. S.	McMahon, Terrence

CITY COMMISSIONER'S AND HARBOR COMMISSIONERS' ACCOUNTS.

First Branch.	*Second Branch.*
Berry, Jasper M.	Maloney, T.
Leonard, John F.	Seebo, Henry C.
Horn, Dr. Louis C.	Dundon, M.

HEALTH COMMISSIONER'S ACCOUNTS.

First Branch.	*Second Branch.*
Windfelder, John H.	Hart, Dr. J. B.
Clark, Daniel E	Meagher, P. T.
Morfit, Dr. C. M.	Selden, Chas.

COMMISSIONERS OF FIRE DEPARTMENT ACCOUNTS.

First Branch.	*Second Branch.*
Shaw, Gilles J.	Meagher, P. T.
Cox, Walter A.	McMahon, T.
Doyle, John F.	Smith, Jos. C.

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